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HEALTH REPORT

FOR THE

CITY OF NEWARK



1949



HON. STEPHEN J. MORAN, Director,
Department of Public Affairs.

Department of Health, Newark, N. J.
CHARLES V. CRASTER, M.D., D.P.H.,
Health Officer.



WHAT YOUR HEALTH BUDGET PURCHASES

SOME PEOPLE DO NOT REALIZE THE MANY VALUABLE SERVICES PAID FOR BY THE HEALTH DEPARTMENT BUDGET. TOO OFTEN IT IS FELT THAT WE MERELY INVESTIGATE NEIGHBORHOOD NUISANCES OR PLACARD FOR CONTAGIOUS DISEASE. FOLLOWING IS SOME OF THE WORK MADE POSSIBLE BY OUR BUDGET.

NOT ONLY - ENVIRONMENTAL SANITATION; DOG AND RABIES CONTROL; INSURE GOOD PLUMBING; INFANT BOARDING HOME SUPERVISION; LODGING HOUSE SUPERVISION, AND DOZENS OF OTHER INCIDENTAL HEALTH WORKS -

BUT ALSO

- 1 - MEDICAL CARE OF THE POOR - APPROXIMATELY \$250,000 IS SPENT IN THE MEDICAL CARE OF THE POOR, - CLINIC TREATMENTS, HOME DOCTOR AND NURSE TREATMENTS, ETC.
CURING THE SICK, KEEPS THEM OFF THE RELIEF ROLL.
- 2 - DISEASE CONTROL - ALMOST ONE HUNDRED THOUSAND SCREEN-TESTING CHEST X-RAYS AND BLOOD TESTS FOR EARLY DETECTION OF TUBERCULOSIS AND SYPHILIS CASES WHICH WOULD BE A HAZARD TO THE ENTIRE PUBLIC. -- CURE IS ALSO POSSIBLE IN EARLY STAGES.
- 3 - HEALTHY BABIES - MOTHERS VISITED MONTHLY TO INSURE PROPER CARE, EVEN TO INSTRUCT IN BEHAVIOR PROBLEMS, WHICH OFTEN LEAD TO WARPED MENTAL DEVELOPMENTS IN ADULT LIFE.
- 4 - SCHOOL HEALTH - INSURE GOOD HEALTH AND CORRECTION OF PHYSICAL DEFECTS IN 12,000 PAROCHIAL SCHOOL CHILDREN, AS IS DONE FOR PUBLIC SCHOOL CHILDREN BY THE BOARD OF EDUCATION.
- 5 - CHILDREN'S DENTAL CARE - FREE TREATMENTS IN NINE NEIGHBORHOOD CLINICS FOR APPROXIMATELY 10,000 DIFFERENT PUBLIC AND PAROCHIAL SCHOOL CHILDREN UNABLE TO PAY.
- 6 - CLEAN FOOD - SECURE MAXIMUM SANITATION IN EVERY FOOD ESTABLISHMENT, WHERE THE PUBLIC HAS NO OTHER PROTECTION. WE EVEN INSTRUCT RESTAURANT HELP TO PREVENT FOOD INFECTIONS.
- 7 - PURE MILK - INSURE A PURE SUPPLY OF MILK; 2,000,000 QUARTS PER WEEK. (THE MAJOR FOOD OF INFANTS AND CHILDREN).
- 8 - INDUSTRIAL HEALTH - MAINTAIN HEALTHFUL WORKING CONDITIONS IN MORE THAN 1,000 INDUSTRIAL PLANTS.
- 9 - CONTAGION - CONTROL & PREVENTION - NOT ONLY PREVENT SPREAD OF CONTAGIOUS DISEASE, BUT CAMPAIGN FOR PROTECTION AGAINST DIPHTHERIA, WHOOPING COUGH AND SMALLPOX.

DEPARTMENT OF HEALTH

NEWARK, N. J.

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FOOD & DRUG DIVISION

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HENRY SIMON, M.D.

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CONTAGION
JOSEPH W. GARDAM, M.D.

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IRVING WILLNER, M.D.

VENEREAL DISEASE
EDMOND EDELSON, M.D.

OCCUPATIONAL
WILLIAM T. RUMAGE, M.D.

CITY DISPENSARY
PASCAL BAIOCCHI, M.D.

* * *

* * *

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CHIEF VETERINARIAN
MICHAEL J. HUGHES, D.V.S.

PATHOLOGIST
HARRISON S. MARTLAND, M.D.

CHIEF PHARMACIST
OSCAR B. STEVENS, PH.G.

CITY CHEMIST
HALSEY DURAND, B.S.

CHIEF DENTAL SUPERVISOR
LEO J. MCMAHON, D.D.S.

* * *

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JOHN F. LYNCH

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SUPERVISOR, PAROCHIAL SCHOOL NURSES

ANNE T. REILLY, R.N.

SUPERVISOR, VISUAL HEALTH EDUCATION

PETER COVEN

CITY OF NEWARK, NEW JERSEY
FIVE CITY COMMISSIONERS (ELECTED FOR 4 YRS)
ALL CITY FUNDS, ORDINANCES, APPOINTMENTS AC

NEWARK HEALTH DEPARTMENT
ORGANIZATION
ALL EMPLOYEES-CIVIL SERVICE

ONE OF THESE
DIRECTOR OF PUBLIC AFFAIRS
HAS CHARGE OF
HOSPITALS - HEALTH - RELIEF, ETC.

DEPARTMENT ENFORCES
STATE LAWS AND
LOCAL ORDINANCES ON HEALTH

HEALTH DEPT.

HEALTH OFFICER
EXECUTIVE HEAD

EXECUTIVE DIVISION
ADMINISTRATION, VITAL
STATISTICS, EDUCATION,
MAINTENANCE, ETC.

LABORATORIES
CHEMICAL, BACTERIOLOGICAL, SEROLOGICAL
SERVE ALL DIVISIONS

DISPENSARY CLINICS
TREATMENT OF INDIGENT PATIENTS

INFANT & CHILD HEALTH

SANITATION

FOOD & DRUG
CONTROL
DIV.

MEAT
INSPECTION
DIV.

INDUSTRIAL
HYGIENE
DIV.

PLUMBING
DIV.
NEW
PLUMBING

SANITARY
DIV.
ENVIRONMENTAL
SANITATION,
DOG CONTROL AC

PAROCHIAL
SCHOOL
MED. INSP.
HEALTH EDUC.

CHILD
HYGIENE
DIV.

BABY
KEEP-WELL
STATIONS

DISEASE CONTROL

COMMUNICABLE
DISEASE
DIV.

TUBERCULOSIS
DIV.
CONTROL &
CLINICS

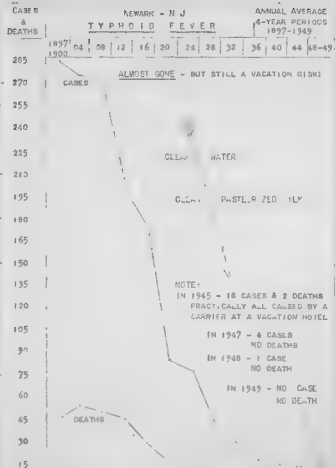
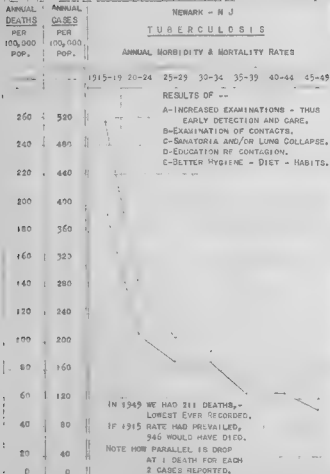
VENEREAL
DISEASE
DIV.
CONTROL &
CLINICS

OCCUPATIONAL
CLINIC
DOMESTICS-
FOODHANDLERS
SPEC. GROUPS

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1000



TOTAL
DEATHS

NEWARK - N.J.

DIPHTHERIA MORTALITY

IMMUNIZATION HAS PAID DIVIDENDS

1000 1922-25 1926-29 1930-33 1934-37 1938-41 1942-45 1946-49

275 274

250

225

200

175

150

125

100

75

50

25

0

RESULT
OFMAINTAINING
OVER 90%
IMMUNIZATION
AMONG ALL
NEWARK
CHILDREN

BY USING COMBINED
DIPHTHERIA AND
WHOOPING COUGH
IMMUNIZATION
MATERIAL, STARTED
IN 1942, WE HOPE
TO MAINTAIN COM-
PLETE IMMUNIZATION.
THIS IS NECESSARY
IF DIPHTHERIA IS
TO CONTINUE UNDER
CONTROL.

(1 DEATH IN 10 YEARS)
AN UNPROTECTED CHILD
RECENTLY ARRIVED
FROM ANOTHER CITY

3 2 1 0

3-YEAR
ANNUAL
AVERAGE

NEWARK - N.J.

WHOOPING COUGH

THE NEXT TO GO?

DEATHS CASES 1917 20 23 26 29 32 35 38 41 44 47

1919 22 25 28 31 34 37 40 43 46 49

NOTE MORE RAPID DECREASE IN
MORBIDITY SINCE 1940, SINCE
IMMUNIZATION, DESPITE IN-
CREASED PRE-SCHOOL POPULATION

42 2100

35 1750

28 1400

21 1050

14 700

7 350

CASE FATALITY

1917-1920 -- 18.0 PER 100 CASES

1922-1934 -- 6.0 " " "

1947-1949 -- 0.3 " " "

IMMUNIZATION TREATMENTS YEAR PREV. DOC. HEALTH CLINIC TOTAL

NOTE OUTSTANDING COOPERA- 1942 177 3697 3874

TION BY PRIVATE PHYSICIANS 1943 1095 2819 3914

1945 4542 3052 7594

36,287 PRE-SCHOOL CHILD- 1947 6046 3324 9370

REN GIVEN IMMUNIZATION 1949 5616 3353 8969

TREATMENT IN 1946-49

NEWARK - NJ

CHILDHOOD CONTAGION

DOWNWARD TRENDS IN CASE FATALITY

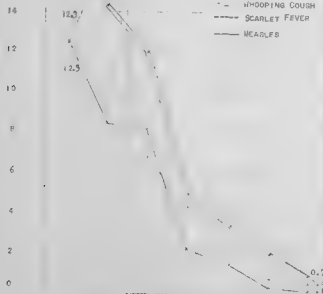
DEATHS PER 1000 CASES ----- 5-YR AVERAGE	15-19	20-24	25-29	30-34	35-39	40-44	45-49
20	19.8						

IS THIS DUE TO LOWER DISEASE VIRULENCE
OR INCREASED RESISTANCE ?

SOME OF IT MUST BE DUE TO BETTER
INFANT HYGIENE & NUTRITION

LEGEND

- WHOOPING COUGH
- SCARLET FEVER
- MEASLES



D E A T H S P E R 1000

NEWARK - NJ

INFANT MORTALITY

FAR MORE INFANTS DIE IN FIRST WEEK
THAN IN NEXT 51 WEEKS

DATE	33	34	37	38	39	40	41	42	43	44	45	46	47	48	49
------	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

28.3

28

26

26.3

24

22

20

18

16

14

12

10

8

6

4

2

0

--- FIRST WEEK

--- NEXT 51 WEEKS

HALF THE DEATHS IN 1ST WEEK AND
ONE-THIRD OF ALL DEATHS 1ST FULL YEAR
OCCUR IN THE FIRST DAY OF LIFE!

18.6

9.

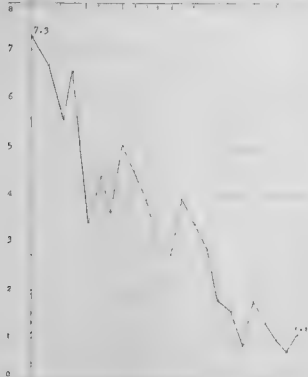
R
A
T
E
PER
1000
DEL.

NEWARK-NJ

MATERNAL MORTALITY

1927 - 1949

1927 1930 1933 1936 1939 1942 1945 1949



R
A
T
E
PER
1000
LIVE
BIRTHS

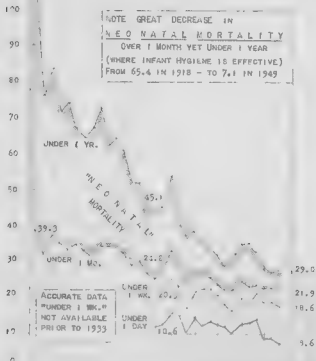
NEWARK-NJ

INFANT MORTALITY

UNDER 1 YR. - 1 MO. - 1 WK. - 1 DAY

1918 20 23 26 29 32 35 38 41 44 49

104.7



HEALTH REPORT C 7

NEWARK N. J.

CHARLES V. CRASTER, M.D., D.P.H., -- HEALTH OFFICER



TO HONORABLE STEPHEN J. MORAN, DIRECTOR OF PUBLIC AFFAIRS

AND TO THE CITIZENS OF NEWARK, N. J.

THE HEALTH STORY OF 1949

HEALTH RATES AMONG THE 443,000 RESIDENTS OF NEWARK NOT ONLY CONTINUED TO BE EXCELLENT DURING 1949, BUT THE MAJOR RATES BY WHICH CONDITIONS AFFECTING HEALTH CAN BE MEASURED, WERE THE BEST EVER RECORDED IN OUR HISTORY. IT IS REASONABLE TO CLAIM THAT THESE RATES TO A LARGE DEGREE ARE THE RESULT OF PROPERLY CONDUCTED EFFORT AND NOT MERELY COINCIDENT. THAT FACT IS PARTICULARLY GRATIFYING AT THIS TIME WHEN THE PUBLIC IS MORE INCLINED THAN USUAL TO STUDY PUBLIC EXPENDITURES AND TO DETERMINE WHETHER THEIR TAX MONEY IS BEING WISELY SPENT, OR NOT.

THERE WERE 5,086 DEATHS IN NEWARK FROM ALL CAUSES, MAKING A CRUDE MORTALITY RATE OF 11.5 PER 1000 POPULATION, WHICH IS BELOW THE NORMAL OF 16 FOR THE PAST ELEVEN YEARS. OUR ADJUSTED RATE IS CALCULATED BY SUBTRACTING DEATHS OF NON-RESIDENTS, LARGELY IN THE MANY NEWARK HOSPITALS, BUT INCLUDING KNOWN DEATHS OF NEWARK RESIDENTS IN OUTSIDE INSTITUTIONS. THERE WERE 657 NON-RESIDENT DEATHS, GIVING US AN ADJUSTED TOTAL 4,229 DEATHS AND AN ADJUSTED MORTALITY RATE OF 9.5 PER 1000 POPULATION. THIS IS THE LOWEST SUCH MORTALITY RATE EVER RECORDED.

BIRTHS, AFTER GREATLY INCREASING FOR SEVERAL YEARS FROM 7,236 AND A RATE OF 15.8 PER 1000 POPULATION IN 1936 (THE LOWEST EVER RECORDED) TO 4,710 AND A RATE OF 33.1 IN 1947 (THE HIGHEST EVER RECORDED), FINALLY PASSED THE PEAK AND DECLINED SLIGHTLY TO 13,409 BIRTHS IN 1949 AND A RATE OF 30.3. THIS IS THE SECOND YEAR TO SHOW A SLIGHT DROP AND IS PROBABLY THE START OF A DOWNWARD TREND FOR SEVERAL YEARS.

INFANT MORTALITY, A MAJOR HEALTH RATE OF MUCH SIGNIFICANCE, DID NOT QUITE EQUAL THE ALL-TIME RECORD LOW OF 1948 WHEN WE HAD 388 DEATHS UNDER ONE YEAR OR 28.3 PER 1,000 LIVING BIRTHS. ONLY ONE MORE BABY DIED BUT THE 389 DEATHS, WITH 400 LESS BIRTHS, MAKES OUR RATE 29.0 OR THE LOWEST ON RECORD EXCEPT FOR 1948.

OUR TUBERCULOSIS MORTALITY RATE, THE OTHER MAJOR PUBLIC HEALTH RATE SO VITALLY AFFECTING THAT LARGE GROUP OF WAGE-EARNERS AND HOME-MAKERS BETWEEN CHILDHOOD AND OLD AGE, AGAIN REACHED THE LOWEST EVER RECORDED, WITH 211 DEATHS FROM TUBERCULOSIS, ALL FORMS, AND A RATE OF 47.6 PER 100,000.

ITEMS OF SPECIAL INTEREST

SLEW CLEARANCE

WE CANNOT EXPRESS TOO OFTEN HOW WELL THE GENERAL PUBLIC AND THE PHYSICIANS OF NEWARK, COOPERATE WITH THEIR HEALTH DEPARTMENT WHENEVER WE RECOMMEND SUCH PROCEDURES AS DIPHTEHRIA AND WHOOPING COUGH IMMUNIZATION OR VACCINATION, WITH THE RESULT THAT SMALLPOX IS UNKNOWN AND DIPHTEHRIA IS ALREADY A RARITY. WITH SUCH COOPERATION AND WITH STEADILY INCREASING SCIENTIFIC FACILITIES AVAILABLE TO INSURE LONGER, HEALTHIER LIVES, OUR PRESENT MAJOR OBSTACLE IS UNQUESTIONABLY LACK OF SUFFICIENT PROPER HOUSING, OR TO BE MORE ACCURATE, THE CONTINUED PRESENCE AND NECESSARY USE OF THOUSANDS OF LIVING UNITS FAR BELOW A PROPER STANDARD FOR HEALTHFUL, ENJOYABLE LIVING.

OUR RECORD ACHIEVEMENT IN TUBERCULOSIS MORTALITY IS EVEN MORE REMARKABLE WHEN THESE SLEWS ARE KEPT IN MIND. TUBERCULOSIS IS A CONTAGIOUS DISEASE. FORTUNATELY IT IS NOT USUALLY SPREAD THROUGH CASUAL CONTACT BUT FROM FREQUENT EXPOSURE TO INFECTIOUS CASES. SUCH EXPOSURE IS ALMOST CERTAIN WHEN A LARGE FAMILY IN POOR CIRCUMSTANCES, AND WITH LESS KNOWLEDGE OF PERSONAL HYGIENE, MUST LIVE IN SMALL, IMPROPERLY VENTILATED, OVERCROWDED QUARTERS.

TUBERCULOSIS IS MORE PREVALENT AND FATAL IN SUCH QUARTERS, AS ILLUSTRATED BY THE NEGRO TUBERCULOSIS MORTALITY RATE. ALTHOUGH THE RATE IN THAT GROUP HAS BEEN REDUCED MORE THAN 50% IN THE PAST 12 YEARS, IT IS STILL 184 PER 100,000 POPULATION, COMPARED WITH LESS THAN 40 IN THE BALANCE OF OUR POPULATION. THERE CAN BE NO OTHER EXPLANATION THAN THEIR ENVIRONMENT. IT IS A KNOWN FACT THAT THE MAJOR PART OF OUR NEGRO POPULATION MUST, THROUGH UNFORTUNATE ECONOMIC STATUS AND UNFAIR DISCRIMINATION, LIVE IN OUR WORST SLUM AREAS. WE ARE, THEREFORE, HOPEFUL THAT THERE WILL BE NO DELAY IN THE ALREADY APPROVED ADDITION OF SEVERAL THOUSAND LOW INCOME HOUSING UNITS NOW BEING STARTED AND WHICH WILL CAUSE DEMOLITION OF CONSIDERABLE SLUM AREAS. IN THE MEANTIME A SURVEY AND CONCENTRATED DRIVE HAS BEEN STARTED TO, AT LEAST, IMPROVE PRESENT CONDITIONS.

FOOD HANDLER TRAINING COURSE

OUR REQUIREMENT THAT ALL FOOD HANDLERS AND DOMESTIC EMPLOYEES BE EXAMINED TWICE ANNUALLY AND RECEIVE HEALTH CARDS HAS BEEN GRADUALLY IMPROVED, FIRST, BY REQUIRING AN ANNUAL BLOOD TEST FOR SYPHILIS AND MORE RECENTLY BY REQUIRING A SMALL CHEST X-RAY ON THE OTHER SEMI-ANNUAL VISIT. ALMOST 20,000 DIFFERENT PERSONS ARE THUS EXAMINED EACH YEAR AND CASES OF UNSUSPECTED TUBERCULOSIS AND SYPHILIS DISCOVERED, ARE PUT UNDER TREATMENT.

A NEW DEVELOPMENT, MORE DIRECTLY AIMED AT THE PREVENTION OF FOOD INFECT ON OUTBREAKS, WAS STARTED DURING 1949. A COURSE OF FOUR ONE-HOUR LECTURES WAS STARTED AND OFFERED TO LARGER RESTAURANTS AND CONCERNS HAVING THEIR OWN FEEDING FACILITIES, WITH SUFFICIENT WORKERS TO JUSTIFY SENDING THE LECTURERS TO THEM. THE LECTURES ARE ARRANGED BY OUR SUPERVISOR OF VISUAL HEALTH EDUCATION AND ARE GIVEN BY TWO OR THREE OF OUR DEPARTMENT PHYSICIANS AIDED BY SLIDE AND PICTURE. THOSE PLACES WHERE 80% OF THEIR EMPLOYEES TAKE THE COURSE, RECEIVE SPECIAL CERTIFICATES FOR DISPLAY AND EACH INDIVIDUAL WORKER IS GIVEN A SMALL CERTIFICATE. EARLY IN 1949 AN AUDITORIUM BECAME AVAILABLE WHERE THESE LECTURES CAN BE GIVEN, SO THAT SMALLER RESTAURANTS WITH ONLY TWO OR THREE WORKERS FROM EACH PLACE, CAN BE ACCOMMODATED IN REGULAR CLASS GROUPS. MORE THAN 2,000 TOOK THIS COURSE IN 1949. WE HOPE TO ULTIMATELY MAKE THIS COURSE A REQUIREMENT TO OBTAIN A FOOD HANDLER'S CERTIFICATE.

HOME SAFETY CAMPAIGN

DURING THE YEAR, THIS DEPARTMENT OPENED A "HOME SAFETY CAMPAIGN". THE NEWARK SAFETY COUNCIL WAS REQUESTED TO CONDUCT AN INTENSIVE COURSE IN HOME SAFETY FOR OUR INSPECTORS AND NURSES WHOSE DUTIES TAKE THEM INTO HOMES, THE OBJECT BEING THAT OUR EMPLOYEES WOULD, WITH THE HOUSEHOLDER, CONDUCT INSPECTION TOURS THROUGH THE HOME, USING A CHECK LIST TO DISCOVER VARIOUS HAZARDS USUALLY FOUND IN THE HOME. AFTER MAKING THE CHECK, THE LIST IS LEFT WITH THE HOUSEHOLDER AS A REMINDER TO ELIMINATE THE HAZARDS FOUND.

OUR AUDIO-VISUAL HEALTH EDUCATION UNIT HAS PRODUCED A SEVEN-MINUTE SERIES OF KODACHROME SLIDES WITH A SOUND RECORDING ON THE SUBJECT OF "HOME SAFETY" TO BE USED IN EXHIBITS IN ESTABLISHMENTS WHERE HOUSEHOLDERS WOULD HAVE OCCASION TO VISIT. WITH A SLIGHT CHANGE IN THE RECORDING, THE PROGRAM HAS ALREADY BEEN CONDUCTED IN A PAROCHIAL SCHOOL, CONSISTING OF A SHORT TALK, SHOWING OF THE SLIDES WITH RECORDING AND A QUIZ IN WHICH A SELECTED GROUP OF PUPILS PARTICIPATED. THE PROGRAM WAS ENTHUSIASTICALLY RECEIVED BOTH BY THE SCHOOL AUTHORITIES AND THE PUPILS AND WILL BE CONTINUED IN OTHER SCHOOLS.

MEDICAL CARE OF THE POOR

INCLUDED IN THE BUDGET OF THE HEALTH DEPARTMENT IS THE MEDICAL CARE OF THE POOR, (OTHER THAN IN HOSPITALS). IN OUR CITY DISPENSARY, WE CONDUCT CLINICS FOR EXAMINATION AND TREATMENT, IF UNABLE TO PAY, PROVIDE HOME DOCTOR CALLS WITH FREE CHARGE OF PHYSICIAN BY THE PATIENT, AND SUPPLY FREE PRESCRIPTIONS FOR ALL OF THESE PATIENTS. 1949 SHOWED A STEADY INCREASE IN OUR CASELOAD. THE DISPENSARY GAVE 64,291 TREATMENTS COMPARED WITH 43,247 IN 1948, (A 50% INCREASE). FREE PRESCRIPTIONS INCREASED FROM 37,469 TO 44,364. HOME DOCTOR CALLS INCREASED FROM 6,536 TO 8,830.

DENTAL CARE

WHILE MEDICAL CARE OF THE POOR IS NOT DIRECT PUBLIC HEALTH, MANY OF THE COSTS IN THE DISPENSARY ARE REALLY PUBLIC HEALTH, OR PREVENTIVE MEDICINE. AN INTERESTING DEVELOPMENT HAS BEEN THE INCREASE IN OUR DENTAL FACILITIES, SO THAT WE NOW HAVE CLINICS LIMITED TO CHILDREN THREE DAYS PER WEEK IN OUR MAIN CLINIC AND SEVERAL SESSIONS EACH WEEK IN EACH OF NINE NEIGHBORHOOD CLINICS. DENTAL TREATMENTS FOR BOTH ADULTS AND CHILDREN INCREASED THIS YEAR FROM 13,000 TO 19,000. THE BULK OF THE WORK WAS WITH CHILDREN'S TEETH, WHICH IS DEFINITELY PREVENTIVE MEDICINE. THE CHILDREN'S TREATMENTS INCREASED FROM 6,707 TO MORE THAN 14,000. ALL OF THESE TREATMENTS ARE BY DEFINITE APPOINTMENTS, THE REQUESTS BEING MADE BY THE PUBLIC AND PAROCHIAL SCHOOL NURSES, CLEARING THROUGH OUR DISPENSARY AND APPOINTMENTS ARE MADE FOR THE NEAREST CLINIC. LAST YEAR, 7,000 DIFFERENT PUBLIC SCHOOL CHILDREN AND 2,900 DIFFERENT PAROCHIAL SCHOOL CHILDREN WERE CARED FOR.

TUBERCULOSIS CASE FINDING

PROGRESS WAS MADE IN OUR TUBERCULOSIS CASE FIND PROGRAM BY WHICH WE ENDEAVOR TO X-RAY AS MANY PEOPLE

AS POSSIBLE TO DETECT THE DISEASE, EVEN BEFORE IT IS SUSPECTED. IT IS THEN POSSIBLE TO CURE AND TO PREVENT THE UNSUSPECTED CASES FROM DEVELOPING TO THE CONTAGIOUS DISEASE STAGE WHERE THEY MAY INFECT MEMBERS OF THE FAMILY. IN 1949, WE CARRIED OUT APPROXIMATELY 30,000 SMALL CHEST X-RAYS IN OUR MAIN BUILDING AND BY COOPERATION WITH THE TUBERCULOSIS LEAGUE AND THE STATE HEALTH DEPARTMENT, X-RAYED 8,000 IN VARIOUS PLANTS AND NEIGHBORHOODS, A TOTAL OF 48,000. OUR GOAL, WHICH WE HOPE TO REACH, THIS YEAR, IS 75,000 EVERY YEAR, (50,000 INDIVIDUALS EVERY TWO YEARS). WE HAVE ADDED EQUIPMENT IN OUR MAIN BUILDING AND HOPE TO CONTRACT FOR NEIGHBORHOOD WORK AS WELL.

DIABETES CHECK-UP

A NEW TYPE OF PHYSICAL CHECK-UP EXAMINATION WAS STARTED BY THIS DEPARTMENT IN 1949, IN COOPERATION WITH THE

STATE DEPARTMENT OF HEALTH. MASS X-RAY FOR TUBERCULOSIS DETECTION AND GROUP BLOOD TESTING FOR SYPHILIS HAS BEEN STEADILY INCREASING IN THIS DEPARTMENT. DURING THE PAST YEAR, HOWEVER, THE FIRST STEP WAS TAKEN TO SECURE URINALYSES IN LARGE GROUPS FOR THE EARLY DETECTION OF DIABETES. THIS CONDITION, IF DISCOVERED IN TIME, CAN BE AT LEAST ARRESTED. MANY SUFFERERS WHO MUST TAKE INSULIN INJECTIONS DAILY FOR THE REST OF THEIR LIVES AND SUBSIST ON A MISERABLE DIET, COULD HAVE BEEN SAVED BOTH OF THOSE PROCEDURES AND CONTINUED IN A MUCH MORE VIGOROUS STATE OF HEALTH, IF THEY HAD HAD A URINALYSIS BEFORE SYMPTOMS OF THE DISEASE HAD DEVELOPED.

OUR INDUSTRIAL HYGIENE DIVISION URGED SEVERAL GROUPS TO SUBMIT URINE SPECIMENS AND AMONG 366 EXAMINATIONS, 4 WERE FOUND POSITIVE. THEY DID NOT SUSPECT THEIR CONDITION AND AS A RESULT MAY NEVER NEED INSULIN. IT IS OUR INTENTION TO GRADUALLY INCREASE THIS TYPE OF PREVENTION AND EARLY DETECTION WORK.

ANTICIPATORY GUIDANCE

(A FORM OF MENTAL HYGIENE)

ANTICIPATORY GUIDANCE, WHICH FORMS THE BASIS OF PARENT-CHILD RELATIONSHIPS, WAS STARTED IN OUR CHILD HYGIENE DIVISION SOME YEARS AGO. THE NURSES

RECEIVE INSTRUCTION IN THIS FIELD THROUGH FORMAL EDUCATION (AT A COLLEGE LEVEL), GROUP DISCUSSIONS, AND MENTAL HYGIENE FILMS AND PAMPHLETS. IT HAS BEEN FELT THAT THROUGH THIS EDUCATIONAL PROGRAM, MOTHERS COULD BE HELPED TO ACQUIRE DESIRABLE FEELINGS AND ATTITUDES TOWARD THE BEHAVIOR OF THEIR CHILDREN. WE THINK THAT WE ARE JUSTIFIED IN BELIEVING THAT THERE HAS BEEN A DEGREE OF ACCOMPLISHMENT IN THE LESSENING OF FEARS AND ANXIETIES ON THE PART OF MOTHERS AND IN THE MEETING OF CHILDREN'S NEEDS AND IN GIVING THEM AN OPPORTUNITY FOR SELF-DEVELOPMENT AND SELF-EXPRESSION. IT SHOULD BE BORNE IN MIND, HOWEVER, THAT THIS AREA IS A PARTICULARLY DIFFICULT ONE, BECAUSE MOTHERS ARE THEMSELVES THE PRODUCTS OF THE DEPRIVATIONS, HOSTILITIES, AND AGGRESSIONS WHICH THEY ACQUIRED IN THEIR OWN CHILDHOODS AND WHICH OFTEN INTERFERE WITH THEIR ACCEPTING OR APPLYING SOUND ADVICE IN THIS FIELD.

TITLE CHANGE - (TUBERCULOSIS DIVISION
TO BE KNOWN AS DIVISION OF CHEST DISEASES)

OUR TUBERCULOSIS DIVISION, PRIMARILY RESPONSIBLE FOR THE CONTROL OF THAT DISEASE, HAS BEEN GRADUALLY IN-

CREASED TO CARRY OUT ADDED CARDIAC WORK AND THE VARIOUS ALLERGY TESTING PROGRAMS. THESE TWO WORKS HAVE BECOME SO IMPORTANT A PART OF THAT DIVISION THAT BEGINNING JAN. 1, 1950, THE TITLE WILL BE CHANGED TO DIVISION OF CHEST DISEASES. WE BELIEVE THIS TITLE IS MORE APPROPRIATE.

GENERAL MORTALITY

DEATHS FROM ALL CAUSES NUMBERED 5,086 OR A RATE OF 11.5 PER 1000 ON AN ESTIMATED POPULATION OF 443,000, SLIGHTLY LOWER THAN 948 AND BELOW OUR PREVIOUS 9-YEAR NORM OF 11.6. AS NEWARK HAS ALWAYS BEEN A HOSPITAL CENTER FOR MANY NEARBY COMMUNITIES, NON-RESIDENT DEATHS IN NEWARK FAR EXCEED THE DEATHS OF NEWARKERS DYING OUT OF TOWN. SUBTRACTING THE 857 NON-RESIDENT DEATHS, BUT INCLUDING 123 KNOWN DEATHS (MOSTLY TUBERCULOSIS) OF NEWARKERS, IN OUTSIDE INSTITUTIONS, WE HAVE A TOTAL OF 4,229 DEATHS OR AN ADJUSTED MORTALITY RATE OF 9.5, THE LOWEST SUCH RATE EVER RECORDED.

CRUDE AND ADJUSTED DEATH RATES

YEAR	POPULATION	CRUDE DEATHS	CRUDE DEATHS RATE	ADJUSTED DEATHS	ADJUSTED DEATH RATE
1940	429,000	5,025	11.7	4,762	11.1
1941	429,000	4,983	11.6	4,415	10.3
1942	429,000	5,090	11.9	4,659	10.8
1943	440,000	5,523	12.6	5,043	11.5
1944	440,000	5,052	11.6	4,535	10.3
1945	443,000	5,141	11.6	4,586	10.4
1946	443,000	4,937	11.1	4,395	9.9
1947	445,000	5,097	11.2	4,411	9.9
1948	445,000	5,222	11.7	4,382	9.8
1949	443,000	5,086	11.5	4,229	9.5

PRINCIPAL CAUSES OF DEATH

THE MAJOR CAUSES OF OUR 5,086 NEWMARK DEATHS, INCLUDING 92 TUBERCULOSIS DEATHS IN OUT-OF-TOWN SANATORIA, WERE AS FOLLOWS:

	1948	1949
ORGANIC HEART DISEASE	1804	1728
CANCER	780	795
APoplexy	485	478
CONGENITAL CONDITIONS	317	301
BRIGHT'S DISEASE	276	249
PNEUMONIA & RESPIRATORY DIS. .	235	243
TUBERCULOSIS	232	211

NOTE THAT TUBERCULOSIS IS NOW DOWN TO 7TH AS A MAJOR CAUSE OF DEATH.

TUBERCULOSIS (LOWEST EVER)

THE 211 DEATHS FROM TUBERCULOSIS (ALL FORMS) GAVE A MORTALITY RATE OF 47.6 PER 100,000,

THE LOWEST NUMBER OF DEATHS AND THE LOWEST RATE IN OUR HISTORY. THIS RATE, WHEN TUBERCULOSIS WORK WAS STARTED, SOME 30 YEARS AGO, AVERAGED 200. HAD THAT RATE PREVAILED IN 1949, WE WOULD HAVE HAD 900 DEATHS INSTEAD OF 2. THE PRESENT DROP IS PARTICULARLY ENCOURAGING. FOR OVER 25 YEARS, UP TO 1944, THE DROP HAD BEEN STEADY FROM YEAR TO YEAR, BUT FOR THREE YEARS, IT REMAINED STATIONARY BETWEEN 55 AND 59. INCREASED EFFORT IS AGAIN STARTING IT ON THE WAY DOWN.

ORGANIC HEART DISEASE

ORGANIC HEART DISEASE CONTINUED TO BE, BY FAR, THE LEADING CAUSE, WITH 1,728 DEATHS OR MORE THAN ONE-THIRD OF ALL DEATHS. THIS IS NOT AS ALARMING AS IT MAY SEEM. THIRTY YEARS AGO, LESS THAN 20% OF NEWMARK DEATHS OCCURRED AFTER 65 YEARS OF AGE. IN 1949, THE PROPORTION WHICH HAD PASSED THAT AGE, HAD INCREASED TO 43% OF ALL DEATHS. AS OTHER CAUSES OF DEATHS DURING YOUNGER YEARS ARE DECREASED, AND THE LIFE SPAN IS EXTENDED, DEATHS WILL NATURALLY INCREASE FROM THOSE CAUSES DUE TO DEGENERATION, SUCH AS HEART DISEASE. INCIDENTALLY, 57% OF ALL HEART DEATHS LAST YEAR WERE OVER 65 YEARS OF AGE, AND 93% OF THE HEART DEATHS WERE OVER 45 YEARS OF AGE.

THERE IS, HOWEVER, STILL PLENTY OF OPPORTUNITY TO INCREASE THE USEFUL YEARS OF REASONABLE HEALTH FOR MANY POTENTIAL HEART VICTIMS. IT IS A FACT THAT VERY OFTEN AN INDIVIDUAL LEARNING THAT HE HAS A HEART CONDITION BEFORE IT HAS ADVANCED TOO FAR CAN, BY COMPLYING WITH REASONABLE RULES OF GOOD LIVING HABITS, LIVE LONGER THAN AN AVERAGE INDIVIDUAL OF THE SAME AGE, WHO DOES NOT TAKE PROPER CARE OF HIMSELF. WE HAVE INCREASED OUR HEART WORK AND ARE URGING FAR MORE PHYSICAL EXAMINATIONS IN MIDDLE AGE.

MATERNAL MORTALITY

THERE WERE ONLY 15 DEATHS DUE TO CHILD BIRTH, OR A RATE OF 1.1 PER 1000 DELIVERIES, SLIGHTLY HIGHER THAN THE PREVIOUS TWO YEARS, BUT THAT RATE HAS BEEN DECREASED 80% IN THE PAST 20 YEARS. THIS YEAR ONLY ONE DEATH WAS DUE TO PUERPERAL SEPTICEMIA. IT SHOULD BE NOTED THAT OUR MATERNAL MORTALITY RATE INCLUDES NOT ONLY LIVE BIRTHS, BUT ALSO 390 STILLBIRTHS. THE STILLBIRTH RATE WAS ONLY 22 PER 1000 DELIVERIES, ALSO THE LOWEST PROPORTION ON RECORD, AND A REDUCTION OF MORE THAN 50% IN THE LAST 20 YEARS.

MATERNAL DEATHS BY CAUSES

	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
TOTAL DEATHS - - - - -	29	26	22	18	9	16	12	10	15	
PUERPERAL SEPTICAEMIA - - - - -	2	5	2	4	-	4	2	1	-	1
ECTOPIC PREGNANCY - - - - -	2	2	2	-	2	3	1	-	-	-
CAESAREAN SECTION - - - - -	8	1	3	3	-	-	3	1	-	-
SELF-INDUCED ABORTION - - - - -	-	-	-	-	-	-	-	-	-	-
SPONTANEOUS ABORTION - - - - -	-	2	2	-	-	-	-	-	-	1
ECLAMPSIA - - - - -	2	5	1	2	1	2	1	-	2	
OTHER ACCIDENTS OF PREGNANCY - -	-	1	-	4	-	2	3	1	5	1
PLACENTA PRAEVIA - - - - -	2	2	-	-	-	2	-	-	-	1
POST PARTUM HEMORRHAGE - - - - -	4	2	4	2	-	5	2	4	4	3
ACCIDENTAL ABORTIONS - - - - -	4	-	-	-	-	-	-	-	-	-
SHOCK FORCE DELIV. BREACH PRES. -	3	-	-	1	-	-	-	-	-	-
TOXEMIA OF PREGNANCY - - - - -	2	3	-	-	-	1	-	-	-	2
CRIMINAL ABORTION (PUERPERA) - -	-	2	2	1	1	-	-	-	-	1
CARDIAC COND. PREGNANCY - - - - -	-	-	4	-	3	-	1	-	-	1
LOBAR PNEUMONIA - - - - -	-	-	-	-	-	-	-	-	-	-
PULMONARY EMBOLISM - - - - -	-	-	-	-	-	-	1	-	-	2
AC. PERITONITIS FOLL. PARTURITION	-	-	-	-	-	-	-	1	-	-
SPINAES. NORMAL REMOVAL OF PLAC.	-	-	-	-	-	-	-	1	-	-
HEM. SHOCK, RUPT. UTERUS, NORMAL DEL.	-	-	-	-	-	-	-	-	1	-
MATERNAL MORTALITY PER 1000 DELIV.	3.3	2.6	1.8	1.5	0.8	1.5	1.2	0.8	0.7	1.1

ACCIDENTAL DEATHS

(LOWEST SINCE "HORSE & BUGGY" DAYS)

THERE WERE 174 ACCIDENTAL DEATHS IN 1949, THE LOWEST MARK SINCE RECORDS WERE STARTED. OUTSTANDING IN THIS RECORD IS THE 33 AUTO-MOBILE DEATHS, THE LOWEST EVER RECORDED. THE MAJOR CAUSE, AS USUAL, WAS FALLS WITH 76, ANOTHER LOWEST EVER RECORDED. ILLUMINATING GAS CAUSED 12 DEATHS WHICH COMPARED ITS DOWNWARD TREND STARTING WITH 26 IN 1944. THE FOLLOWING CHART GIVES THE TYPE OF ACCIDENTAL DEATHS AND TOTALS FOR THE PAST TEN YEARS.

ACCIDENTAL DEATHS BY PRINCIPAL CAUSES

	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939
TOTAL - - - - -	174	212	200	234	271	270	304	271	235	258	226
AUTO & MOTORCYCLE - - - - -	33	40	36	66	57	77	90	76	69	73	73
ACCIDENTAL FALLS - - - - -	76	78	79	90	107	92	87	99	110	83	8
ACCIDENTAL BURNS - - - - -	2	11	7	12	13	14	19	3	6	9	16
ASPHYX. - BED CLOTHES - - - - -	13	12	12	8	9	3	6	9	6	6	9
ALCOHOLISM - - - - -	1	2	-	2	5	9	8	5	4	7	5
POISON - - - - -	3	1	1	3	3	-	-	-	4	4	5
CRUSHING - - - - -	6	7	3	6	8	2	2	7	7	6	-
CONFLAGRATION - - - - -	9	10	18	8	-	9	9	4	3	13	1
DROWNING - - - - -	5	18	7	5	4	5	13	11	3	0	9
ELECTROCUTION - - - - -	1	-	-	3	-	2	1	1	1	2	-
ELEVATOR - - - - -	-	-	-	-	-	-	-	-	1	1	1
HEAT EXHAUSTION - - - - -	4	8	1	1	1	7	4	-	3	2	2
ILLUMINATING GAS - - - - -	12	14	17	13	23	26	23	16	6	13	4
RAILROAD - - - - -	-	2	5	2	-	5	6	12	2	7	1
TROLLEY - - - - -	-	-	-	-	1	-	3	-	-	-	-
US PLANE CRASH - - - - -	-	-	2	-	-	-	-	-	-	-	-
MISCELLANEOUS - - - - -	8	9	12	15	22	18	33	17	10	22	19

INFANT MORTALITY - 29.0

THERE WERE 389 DEATHS UNDER ONE YEAR OF AGE. THIS IS ONLY ONE MORE DEATH THAN IN 1948, WHEN OUR RATE WAS THE LOWEST EVER RECORDED. THE ONE DEATH, HOWEVER, DUE TO A DECREASE OF 400 BIRTHS TO 3,409, BRINGS OUR INFANT MORTALITY RATE FROM 29.0 LAST YEAR TO 29.0. VERY LITTLE CAN BE DONE TO REDUCE THE DEATHS DURING THE FIRST FEW DAYS OF LIFE, AND IT IS REASONABLE TO POINT OUT THAT OF THE 389 DEATHS IN THE ENTIRE FIRST YEAR OF LIFE, 294 DIED IN LESS THAN 30 DAYS AFTER BIRTH, 100 OF THEM FROM CONGENITAL CONDITIONS PRESENT AT BIRTH.

BIRTH STATISTICS

BIRTH RATE - 30.3 THERE WERE 3,409 BIRTHS IN NEWARK IN 1949, OR A RATE OF 30.3 PER 1000 POPULATION. THIS RATE APPARENTLY REACHED ITS PEAK IN 1947. AFTER GRADUALLY DROPPING TO THE LOWEST EVER RECORDED OF 5.8 IN 1937, IT RAPIDLY AND STEADILY INCREASED TO THE RECORD HIGH OF 14,700 BIRTHS AND A RATE OF 33.1 IN 1947. THE FOLLOWING TABLE SHOWS THE TREND IN OUR BIRTH RATE AND THIS PARTICULARLY INTERESTING TO NOTE THAT 98% OF BABIES ARE NOW DELIVERED IN HOSPITALS, 10% BY PHYSICIANS AT HOME AND LESS THAN 1/2% DELIVERED BY MIDWIVES.

1949 BIRTHS DATA	TOTAL BIRTHS MALES . . . FEMALES . . .	13,409 6,680 6,529	WHITE COLORED YELLOW	1,121 2,262 26	STILLBIRTHS ILLEGITIMATE	290 468
YEAR	TOTAL BIRTHS	BIRTH RATE	PHYSICIAN DEL.	AT HOME	HOSPITAL DELIV.	MIDWIFE DEL. HOME
1949	13,409	30.3	192		13,174	43
1948	13,703	30.8	223		13,434	46
1947	14,710	33.1	211		14,419	80
1946	13,427	30.3	225		13,094	108
1945	11,254	25.4	273		10,867	114
1944	10,792	24.5	330		10,306	156
1943	11,856	26.9	432		11,230	194
1942	12,016	28.0	376		11,479	161
1941	9,765	22.8	325		9,282	158
1940	8,538	19.9	401		7,952	185
1939	7,950	17.3	401		7,315	234
1938	7,236	17.3	546		7,106	283
1937	7,659	16.7	603		6,682	374
1936	7,236	15.8	770		6,025	433
1935	7,638	16.8	1,047		6,076	515

NEGRO HEALTH STATISTICS

THE ESTIMATED NEGRO POPULATION OF NEWARK IS 50,000 OR APPROXIMATELY 1% OF THE TOTAL. ALTHOUGH THE VARIOUS MORTALITY RATES IN THIS GROUP ARE RATHER HIGH, THE NATURAL RESULT OF ECONOMIC, EDUCATIONAL AND HOUSING HANDICAPS. A STUDY OF THE VARIOUS RATES FOR THE PAST 12 YEARS IS RATHER ENCOURAGING. THE TUBERCULOSIS RATE, FOR EXAMPLE, HAS DECREASED FROM 388 TWELVE YEARS AGO, TO 84 IN 1949, THE LOWEST ON RECORD AND A REDUCTION OF MORE THAN 50%, AND INFANT MORTALITY IN THOSE FEW YEARS HAS FALLEN FROM 49.5 TO 6.9 PER 1000 LIVING BIRTHS, OR A REDUCTION OF APPROXIMATELY 31%. IT IS ENCOURAGING TO NOTE THAT ONLY 3 PNEUMONIA SEPTICAEMIA DEATHS HAVE OCCURRED IN THE PAST EIGHT YEARS AMONG 3,143 BIRTHS. DEATHS FROM ALL CAUSES THE YEAR NUMBERED 805 OR 16.1 PER 1000.

NEGRO BIRTHS TOTALLED 2,262 OR A RATE OF 45.2 PER 1000 POPULATION, THE HIGHEST EVER RECORDED. IT IS QUOTE POSSIBLE THAT OUR ESTIMATE OF 50,000 BASED ON A REASONABLE INCREASE SINCE THE 1940 CENSUS MAY STILL BE LOW. IN THAT CASE, REDUCTION IN MORTALITY RATES WOULD BE EVEN GREATER THAN AS SHOWN BELOW.

(SEE TABLE ON NEXT PAGE)

NEGRO HEALTH STATISTICS

YEAR	DEATH		BIRTH		T.B.		INFANT		MATERNAL		DTHS		RATE PER	
	DEATHS	RATE	BIRTHS	RATE	DEATHS	D. RATE	DEATHS	M. RATE	SEPT.	TOTAL	M. DEATH			
1936	789	18.8	883	21.0	163	388.1	79	89.5	2	8			9.1	
1937	618	14.4	846	19.7	112	360.5	52	61.6	3	5			6.0	
1938	690	16.0	997	23.2	131	304.7	62	62.2	1	4			4.0	
1939	690	14.3	965	21.9	117	365.9	72	74.6	1	8			8.3	
1940	695	15.4	1043	23.2	138	306.6	74	70.9	1	10			10.0	
1941	662	14.7	1070	23.8	119	264.4	67	62.6	2	5			5.0	
1942	721	16.0	1247	27.5	125	277.7	69	54.5	0	1			1.0	
1943	729	15.2	1242	25.9	117	243.9	74	59.5	1	4			3.0	
1944	679	14.1	1326	27.6	119	247.8	76	57.9	0	2			1.6	
1945	739	14.8	1393	27.9	115	230.0	77	55.3	1	3			2.1	
1946	678	13.6	1595	31.9	122	244.0	87	54.5	1	5			3.1	
1947	754	15.1	1964	37.3	120	240.0	107	54.0	0	1			0.5	
1948	805	16.1	2225	44.5	103	206.0	123	55.3	0	2			0.9	
1949	805	16.1	2261	45.2	92	184.0	140	61.9	1	4			2.2	

CONTAGIOUS DISEASE PREVALENCE

THERE WAS NO PARTICULAR PREVALENCE OF THE USUAL CHILDHOOD CONTAGIOUS DISEASES DURING 1949 OTHER THAN INFANTILE PARALYSIS. THE MOST PREVALENT WERE NON-FATAL CHICKENPOX WITH 6,095 CASES AS COMPARED WITH A NORMAL OF 3,439; MEASLES WITH 5,782 CASES AS COMPARED WITH A NORMAL OF 4,259 AND HJUMPS WITH 2,319, WHICH IS NORMAL. THERE WERE 893 GERMAN MEASLES CASES, THE NORMAL BEING 379.

INFANTILE PARALYSIS WAS ABOVE NORMAL, BUT IN SPITE OF THE FACT THAT 1949 WAS ONE OF THE MOST SEVERE IN THIS HISTORY OF THE COUNTRY, NEWARK WAS FORTUNATE IN HAVING ONLY 99 CASES AND 5 DEATHS. OUR PREVIOUS HIGH YEARS WERE 935 WITH 49 CASES AND 4 DEATHS; 193 WITH 90 CASES AND 0 DEATHS AND OF COURSE, THE ONLY REAL EPIDEMIC IN 9.6 WITH 1422 CASES AND 376 DEATHS. THE FOLLOWING TABLE SHOWS THE CASES AND DEATHS FROM THE VARIOUS CHILDHOOD CONTAGIONS COMPARED WITH THE ELEVEN-YEAR NORMALS.

DISEASE	1949		11-YEAR NORMAL	
	CASES	DEATHS	CASES	DEATHS
DIPHTHERIA	0	0	2	0
SCARLET FEVER	482	0	604	1
EPIDEMIC MENINGITIS	8	4	21	3
WHOPING COUGH	486	0	1088	1
INFANTILE PARALYSIS	99	5	19	2

THE MOST PREVALENT OF THE MINOR
NON-FATAL CHILDHOOD DISEASES WERE:

MEASLES	5782	4259
CHICKENPOX	6095	3439
HJUMPS	2319	2319
GERMAN MEASLES	893	379

THERE WAS NO DEATH FROM ANY OF THESE MINOR CONTAGIOUS DISEASE CASES.

EXECUTIVE DIVISION

ROBERT F. MORGAN, ASST. HEALTH OFFICER

THE EXECUTIVE DIVISION PROVIDES THE GENERAL ADMINISTRATIVE FUNCTIONS OF THE DEPARTMENT FOR THE HEALTH OFFICER. THIS INCLUDES ACCOUNTING, VITAL STATISTICS, PUBLICITY AND HEALTH EDUCATION, PERSONNEL RECORDS AND ASSIGNMENT, CLEANING AND MAINTENANCE, PRINTING AND MULTIGRAPHING, MONTHLY AND ANNUAL REPORTS AND PAROCHIAL SCHOOL MEDICAL INSPECTION.

PAROCHIAL SCHOOL MEDICAL INSPECTION

ANN REILLY, R.N., SUPERVISING NURSE

CHILDREN IN 37 SCHOOLS, IS PROVIDED BY OUR DEPARTMENT WITH A SUPERVISING AND ASSIST. SUPERVISING NURSE AND 16 SCHOOL NURSES. THEY ARE AIDED BY THE PHYSICIANS OF OUR VARIOUS DIVISIONS, THE DEPARTMENT SOCIAL WORKER, DIETITIAN AND DENTISTS, AND THE DISPENSARY CLINICS. PHYSICIANS PROMPTLY EXAMINE ALL CHILDREN IN 1ST GRADE, 4TH GRADE AND 6TH GRADE. NOTE 100% DIPHTHERIA IMMUNIZATION.

SUMMARY OF WORK

	<u>DEFECTS</u>	<u>CURES</u>		
TEETH - - - - -	7017	4885	MENTAL BEHAVIOUR - - - - -	19
NOSE & THROAT - - - - -	2593	1528	EXCLUSIONS (VARIOUS CONDITIONS) - - - - -	1240
EYE & EAR - - - - -	1986	1413	VACCINATIONS - - - - -	43
VERMIN & UNCLEAN - - - - -	1913	876	SCHOOL TREATMENTS - - - - -	26880
SKIN - - - - -	5819	5145	CLASS INSPECTIONS & TALKS - - - - -	6778
			RE-INSPECTIONS - - - - -	34915
			PHYSICAL EXAM. NURSE - - - - -	21448
			" " DOCTOR - - - - -	13218
			GENERAL HOME CALLS - - - - -	392
			IMMUNIZED AGAINST DIPHTHERIA - - - - -	100 %

B. BRANCH OF VISUAL HEALTH EDUCATION

PETER COVEN, SUPERVISOR

OUR HEALTH EDUCATION WORK IS AIDED THROUGH THE FOLLOWING MEDIUMS: TAKING AND PROCESSING PHOTOGRAPHS, SLIDES AND MOTION PICTURES, PRODUCTION OF SOUND-SLIDE SEQUENCES SUCH AS A SERIES ENTITLED "NEWARK'S HEALTH DEPARTMENT" DESCRIBING THE ACTIVITIES OF THE HEALTH DEPARTMENT; A HOME SAFETY SLIDE SEQUENCE ENTITLED "SAFEGUARD NEWARK'S HOMES"; ALSO HEALTH EXHIBITS, OPERATION OF SCHOOL FOR FOODHANDLERS WHICH INCLUDES LECTURES, FILMS, QUIZES, AND UPON COMPLETION, PRESENTATION OF INDIVIDUAL AND ESTABLISHMENT CERTIFICATES, PRESENT HEALTH FILMS AND SLIDES AT CIVIC CLUBS, SCHOOLS, PTAS, WOMEN'S CLUBS AND OTHERS. SO NO RECORDING OF HEALTH PROGRAMS, HEALTH LECTURES, RADIO PROGRAMS, ETC.

LEGAL WORK

MILTON GOODMAN, LL.B., SAN. INSPECTOR

HANDLING OF COURT CASES IS GREATLY AIDED BY THE SERVICES OF AN INSPECTOR WHO IS A QUALIFIED LAWYER. HE NOT ONLY COOPERATES WITH THE CITY LAW DEPT., WHICH OFFICIALLY HANDLES ALL CITY WORK, BUT IS PRESENT AT ALL DIVISIONAL HEARINGS. EACH INSPECTIONAL DIVISION HOLDS WEEKLY HEARINGS BEFORE THE HEALTH OFFICER, CASES ARE DISCUSSED AND DISPOSITION MADE BY THE HEALTH OFFICER. CASES REFERRED FOR COURT ACTION ARE GREATLY REDUCED BY THIS ARRANGEMENT. DURING 1947, ONLY 635 CASES WERE TAKEN TO COURT. IN ADDITION TO SECURING ABATEMENTS IN THESE CASES, \$2,266.00 IN PENALTIES WERE IMPOSED AGAINST VIOLATORS.

MAINTENANCE

FRANK LAWSON, CUSTODIAN

CLEANING AND MAINTENANCE IS PROVIDED FOR THE MAIN BUILDING AND THREE NEARBY ANNEXES, AS WELL AS 24 OUTSIDE CLINICS USED FOR BABY-KEEPER STATIONS, TUBERCULOSIS EXAMINATIONS, PRE-NATAL CLINICS AND DENTAL CLINICS.

FINANCE - VITAL STATISTICS

FRANK SHEA, ACCOUNTANT
CORA N. KIMBALL, STATISTICAL CLERK

IMMEDIATELY FOLLOWING ARE THE FINANCIAL STATEMENT AND THE VITAL STATISTICS TABLES OF MAJOR PUBLIC HEALTH INTEREST.

FINANCIAL STATEMENT - 1949

DISBURSEMENTS PERSONAL SERVICE - SALARIES \$1,383,971.00

OTHER THAN PERSONAL SERVICE

FURNITURE, AUTOS, MOTORCYCLES, PRINTING EQUIP.	\$18,791.24	
DRUGS AND SURGICAL SUPPLIES	25,519.20	
RENTS, TAXES, ANNEXES, BABY STATIONS	17,500.52	
POSTAGE, POST CARDS, STAMPED ENVELOPES	4,405.90	
TELEPHONE SWITCHBOARD SERVICES	7,677.13	
COAL, LIGHT AND HEAT	8,340.08	
STATIONERY AND PRINTING	7,678.88	
LAUNDRY SERVICES	4,731.10	
HOME DOCTOR VISITS - INDIGENT	16,769.40	
JANITOR SUPPLIES	2,565.07	
LABORATORY AND SURGICAL APPARATUS	3,082.91	
AUTOMOBILE AND MOTORCYCLE SUPPLIES	3,967.77	
HOME SICK VISITS - NURSES (YMA)	3,487.35	
X-RAY SUPPLIES	10,965.03	
LINENS AND UNIFORMS	2,835.08	
RENTAL OF BUSINESS MACHINES	588.00	
INSURANCE, COMPENSATION AND FIRE	7,648.83	
USE OF PERSONAL AUTOS	2,750.00	
SCORING DAIRY EXPENSE, MILK & FOOD SAMPLES	870.48	
LICENSE PLATES, TAGS AND BADGES	1,047.80	
NIGHT WATCH & FIRE ALARM SERVICE	308.23	151,530.00
TOTAL	\$1,535,50.00	

DISBURSEMENTS BY DIVISIONS

	SALARIES	SUPPLIES
EXECUTIVE	\$ 79,020.34	\$ 33,859.21
SANITARY	107,800.38	10,854.56
INDUSTRIAL HYGIENE	60,990.44	1,279.33
OCCUPATIONAL	38,970.92	- -
CONTAGIOUS	98,447.80	2,324.00
CLUBS	39,720.84	1,050.00
PHARMACY	54,300.56	625.00
FOOD & DRUG	115,200.84	3,231.31
TUBERCULOSIS	71,500.60	308.86
VETERINARY	69,400.20	606.00
VENEREAL	128,640.29	6,350.15
DISPENSARY	301,838.41	67,638.94
LABORATORY	62,956.62	4,917.06
CHILD HYGIENE	155,252.76	17,885.98
TOTAL	\$1,383,971.00	\$ 151,530.00

RECEIPTS PERMITS

ANIMAL	\$ 1.10
" CHICKEN	237.00
" CHICKEN SLAUGHTERHOUSE	930.00
" PLUMBING	5,186.00
LICENSES ICE	507.50
" MILK	4,941.50
" PLUMBING	2,880.00
" REFUSE	70.00
" LIVE POULTRY	90.00
FEES REAL ESTATE SANITARY INSPECTOR	12.00
" PLUMBERS EXAMINATION	1,300.00
" BACTERIOLOGICAL EXAMINATION	242.00
" OUT-OF-TOWN TREATMENTS - CLINICS	249.50
" OUT-OF-TOWN LABORATORY TESTS	6,582.00
MISC. CASH SALES PRESCRIPTION BOTTLES	311.45
" CASH SALE POSTAGE STAMPS & PHONE CALLS	88.59
" CASH SALE DAIRY SCORE PADS, OLD FILM, ETC.	24.00

DEPOSITED WITH CITY COMPTROLLER AS MISCELLANEOUS REVENUE \$ 23,652.64

FEES RECEIVED FROM MILK PRODUCERS CREDITED TO "DAIRY INSPECTOR'S ACCOUNT",
USED FOR TRAVEL AND OTHER EXPENSE IN SUPERVISING OUR MILK SUPPLY . . . \$14,000.63

INTERESTING HEALTH TRENDS 9 6- 949

YEAR	DEATHS UNDER 15.	INFANT MORTALITY **	BIRTHS	BIRTH RATE	D. APP. DEATHS AND 5	T. B. DEATHS	T. B. DEATH RATE	DIPH- THERIA DEATHS	TYPHOID DEATHS	BRIS FIS. DTHS	ORG. MORT. DTHS
1918	1215	104.7	1575	27.2	331	798	85.6	82	5	129	633
1919	862	76.2	297	25.7	295	637	44.8	50	9	504	529
1920	994	84.7	734	28.3	244	540	39.4	42	8	507	492
1921	837	71.5	1775	27.5	210	446	34.7	4.	2	1.7	510
1922	825	74.8	0993	25.4	167	428	99.1	77	12	3.6	647
1923	756	68.0	1	25.3	133	406	92.5	34	.	340	727
1924	746	65.2	449	25.7	32	392	87.9	39	12	399	729
1925	746	68.7	10852	24.0	129	378	83.4	42	5	343	850
1926	753	7.9	7467	22.7	28	421	9.5	21	7	33	948
1927	634	63.3	17010	21.5	82	387	82.9	62	6	266	1019
1928	626	63.8	9892	27.7	78	4.2	86.9	95	5	298	1002
1929	594	59.6	9975	20.7	52	441	91.8	96	5	258	1047
1930	512	52.3	9784	22.2	45	445	81.0	18	.	244	105
1931	491	52.3	9576	21.1	36	4.2	92.4	14	2	224	987
1932	371	42.3	8714	9.1	16	360	81.0	2	4	242	958
1933	356	45.1	7897	17.6	18	388	85.8	1	2	228	1091
1934	342	45.2	7565	6.7	23	317	69.8	1	.	227	1082
1935	417	54.6	7638	16.8	24	316	69.4	1	0	201	1118
1936	332	45.3	7236	5.8	16	346	75.7	7	1	214	1162
1937	287	37.6	7659	16.7	32	301	65.8	1	0	168	1158
1938	310	39.1	7936	7.3	12	287	62.7	.	2	49	1201
1939	303	38.1	7950	17.3	20	277	60.3	1	4	154	1240
1940	300	35.1	8538	19.9	14	309	71.9	0	0	124	1360
1941	318	32.6	9765	22.8	13	274	63.9	0	0	222	1530
1942	352	29.3	12716	28.0	12	288	66.1	0	0	223	1756
1943	367	30.9	11856	26.9	15	294	66.8	1	0	276	1975
1944	375	34.7	10792	24.5	23	257	58.4	0	0	271	1744
1945	390	34.7	11254	25.4	10	247	55.8	0	2	274	1764
1946	416	37.9	13427	37.3	3	26	59.0	0	3	245	163
1947	429	29.2	477	33.	13	259	58.1	0	1	28	1724
1948	388	28.3	13703	30.8	2	232	52.1	0	0	276	1804
1949	389	29.0	13439	30.3	11	211	47.6	0	0	249	1728

** FOR NEO NATAL MORTALITY SEE "OTHER MORTALITY TRENDS"

OTHER MORTALITY TRENDS SINCE 1894

YEAR	POPULATION	CRUDE DEATHS	CRUDE DEATH RATE		RATES PER 100,000			INFANT MORTALITY RATE		
			PER 1,000	PER 1,000	SCARLET FEVER	TYPHOID FEVER	DIPHTHERIA	UNDER 1 MO.	1 - 12 MONTHS	UNDER 1 YR.
1894	203,923	4,543	22.28	33.8	16.7	-				
1895	215,725	4,615	21.37	16.2	23.2	126.6				
1896	225,000	4,716	20.96	7.6	20.9	96.9				
1897	235,000	4,710	17.43	23.5	4.3	59.6				
1898	235,000	4,303	18.30	6.4	17.4	56.6				
1899	240,000	3,537	18.90	14.2	25.0	51.7				
1900	246,070	5,006	20.34	22.4	20.3	58.1				
1901	250,000	4,876	9.22	9.2	22.8	4.2				
1902	255,000	4,943	19.36	18.0	18.4	4.2				
1903	266,000	4,923	8.50	26.7	23.7	45.1				
1904	272,000	5,378	19.77	44.1	14.7	55.1				
1905	283,239	5,075	17.74	15.9	14.1	38.8				
1906	293,000	5,551	19.14	11.7	17.2	34.1				
1907	300,000	5,724	19.08	13.7	23.0	3.7				
1908	305,000	5,207	17.07	29.2	11.5	2.6				
1909	311,000	5,529	17.77	22.5	12.5	38.8				
1910	347,469	5,764	16.64	11.2	12.7	29.9				
1911	352,000	5,337	15.6	6.0	10.5	2.0				
1912	370,000	5,423	14.65	3.0	7.0	24.6				
1913	387,000	5,562	14.63	6.9	7.9	28.0	38.8	54.2	91.0	
1914	395,000	5,879	14.70	6.8	6.6	0.4	36.9	59.9	94.8	
1915	375,000	5,382	14.30	1.6	2.9	1.3	36.4	48.9	85.3	
1916	385,000	6,357	16.50	1.8	6.0	14.8	38.0	51.6	89.6	
1917	4,000	6,205	5.30	0.7	4.2	12.3	30.9	48.9	87.8	
1918	430,000	8,483	9.72	2.6	3.5	9.1	19.3	65.4	104.7	
1919	440,000	5,534	12.57	2.7	2.0	1.3	33.1	49.3	76.2	
1920	4,216	5,551	13.40	2.9	1.9	14.5	38.7	46.0	84.7	
1921	425,000	4,774	11.24	5.9	2.8	0.4	36.4	35.1	71.5	
1922	432,000	5,209	12.06	3.5	2.8	16.9	35.3	39.5	74.8	
1923	439,000	5,221	11.67	1.1	2.5	7.7	36.0	32.0	68.0	
1924	446,000	5,004	11.22	1.8	2.7	8.7	32.3	32.9	65.2	
1925	453,000	5,330	11.67	2.0	1.1	9.3	30.3	38.4	64.7	
1926	460,000	5,450	11.85	1.3	1.5	4.6	35.5	36.4	7.9	
1927	467,000	5,086	10.90	2.6	1.3	3.3	34.8	28.5	63.9	
1928	474,000	5,522	11.63	1.3	1.0	27.0	34.8	29.1	83.9	
1929	480,000	5,632	11.74	0.8	0.6	20.0	31.2	28.4	59.6	
1930	440,000	5,239	11.92	0.7	0.2	10.9	27.9	24.2	52.1	
1931	445,000	5,073	11.40	2.0	4.5	3.6	37.0	21.5	51.5	
1932	450,000	4,642	10.40	0.7	0.9	0.5	25.5	16.7	42.2	
1933	452,000	4,930	10.91	0.9	0.5	0.2	24.8	20.3	45.1	
1934	454,000	4,764	10.49	0.4	0.2	0.2	27.2	18.0	45.2	
1935	455,000	4,936	10.95	0.2	0.0	0.2	32.9	2.7	54.6	
1936	457,000	5,331	11.68	1.5	0.2	NONE	27.5	18.4	45.9	
1937	458,000	5,061	11.00	0.2	0.0	0.2	21.8	5.7	37.5	
1938	458,000	4,970	10.85	0.2	0.4	0.2	24.6	14.5	39.1	
1939	459,000	4,855	10.58	0.9	0.9	0.2	24.3	3.8	38.1	
1940	429,000	5,045	11.77	NONE	NONE	NONE	24.7	0.4	35.1	
1941	429,000	5,127	11.62	NONE	NONE	NONE	23.2	3.4	32.6	
1942	429,000	5,256	11.86	0.2	NONE	NONE	2.9	7.4	29.3	
1943	440,000	5,702	12.55	0.2	NONE	0.2	21.5	9.4	30.9	
1944	440,000	5,271	11.88	0.2	NONE	NONE	25.0	0.7	34.7	
1945	443,000	5,292	11.60	0.2	0.4	NONE	22.7	12.0	34.7	
1946	443,000	4,937	11.14	NONE	NONE	NONE	23.8	7.2	31.0	
1947	445,000	5,097	11.54	NONE	NONE	NONE	22.5	6.7	29.2	
1948	445,000	5,087	11.43	NONE	NONE	NONE	22.5	5.8	28.3	
1949	443,000	4,983	11.25	NONE	NONE	NONE	2.9	7.1	29.0	

TOTAL DEATHS BY AGE GROUP - 1918-1949

YEAR	TOTAL DEATHS	UNDER 15	AND 15-24	25-44	TOTAL 45-64	65-74	75-84	85-94	OVER 94	
1918	8484	1215	433	434	2082	34	780	2308	1754	246
1919	5534	862	90	186	1238	249	745	1204	1376	122
1920	555	994	251	92	1439	220	327	1041	1379	55
1921	4775	837	136	34	107	194	248	910	1256	261
1922	5209	822	194	66	186	232	268	925	44	1184
1923	522	754	63	134	555	94	305	872	1503	290
1924	5111	746	30	139	05	99	268	975	1470	84
1925	5447	746	132	144	1022	204	273	1018	1640	1288
1926	5606	753	187	58	1098	56	277	1015	1618	1442
1927	5216	636	109	2	857	20	277	974	1724	1254
1928	5735	626	56	86	768	245	304	1002	1794	422
1929	5857	594	104	152	850	192	308	1162	1768	577
1930	5447	512	83	119	74	88	327	1037	1788	1393
1931	5304	190	74	98	652	72	252	1025	1747	458
1932	4850	37	41	73	485	28	228	890	1677	442
1933	5128	356	68	96	520	14	215	914	1775	1563
1934	492	342	54	54	450	117	192	824	1779	1559
1935	4996	47	16	60	523	117	90	864	1788	1514
1936	533	332	15	45	422	116	206	861	1892	832
1937	5256	287	5	61	400	5	272	812	1877	850
1938	516	30	29	45	384	86	179	751	1845	87
1939	5005	303	23	24	350	97	68	704	1777	1909
1940	5207	310	24	33	359	55	108	703	1934	1988
1941	5127	318	30	34	382	62	38	639	1948	1958
1942	5256	352	25	36	413	50	5	682	1935	2025
1943	5702	387	24	44	435	66	48	660	2074	2151
1944	5231	375	24	29	428	67	3	618	1904	2071
1945	5292	390	24	31	445	75	124	564	1933	2151
1946	5078	414	14	31	46	5	12	561	1810	2083
1947	5238	429	24	33	486	32	98	591	1898	2153
1948	5222	388	22	21	43	29	73	502	1949	2237
1949	5084	389	22	28	439	33	81	472	1825	223

"TOTAL DEATHS" INCLUDES ALL DEATHS IN NEWARK BOTH RESIDENT AND NON-RESIDENT AS WELL AS DEATHS OF NEWARKERS AT SOHO AND VERONA.

DEATHS AND DEATH RATES BY CAUSE AND COLOR 1948-1949

	TOTAL		WHITE		NEGRO	
	1949	1948	1949	1948	1949	1948
	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS
TOTAL - ALL CAUSES	22.2	5066	11.4	5222	41.0	805
INFANTILE PARALYSIS	-	5	0.2	2	-	-
TETANUS	-	-	0.2	-	-	2.0
DUMPS	-	-	0.2	-	-	2.0
ERYSIPELAS	-	-	0.2	-	-	-
MEASLES	-	-	0.2	1	-	-
SCARLET FEVER	-	-	-	-	-	-
WHOOPING COUGH	-	-	-	-	-	-
DIPHTHERIA	-	-	-	-	-	-
INFLUENZA	-	-	7.8	4	-	-
EPIDEMIC MENING. (GER. SPIN.)	0.9	4	0.2	4	2.0	1
OTHER EPIDEMIC DISEASES	-	-	-	-	-	-
TUBERCULOSIS OF LUNGS	42.2	188	48.1	214	156.0	78
TUBERCULOSIS MENINGITIS	2.3	10	1.8	8	2.0	6
OTHER TUBERCULOSIS	2.9	13	2.2	10	6.0	8
CANCER, MALIGNANT TUMOR	179.5	795	175.3	780	154.0	77
SIMPLE MENINGITIS	4	6	1.8	8	1.0	2
APOPLEXY-SOFT. OF BRAIN	17.9	478	105.0	485	54.0	77
ORGANIC HEART DISEASE	390.7	1728	405.6	1804	344.0	172
BRONCHITIS	3.4	15	2.2	0	6.0	3
PNEUMONIA, LOBAR	12.9	57	2.3	55	32.0	16
PNEUMONIA, BRONCHO	21.2	94	17.5	78	52.0	26
OTHER RESPIRATORY DIS.	20.7	92	23.1	103	22.0	1
STOMACH (CANCER EXCEPTED)	9.7	43	7.4	33	8.0	4
DIARRHOEA (UNDER 5 YRS)	2.5	11	0.4	2	12.0	6
APPENDICITIS & TYPHILITIS	4.3	19	4.6	7	2.0	1
HEPATIC, INTER. OBSTRUCT.	9.0	40	8.9	36	14.0	7
CIRRHOSIS OF LIVER	13.3	59	17.3	77	4.0	2
BRIGHT'S DIS. & NEPHRITIS	56.2	249	120.0	276	94.0	47
DIS. OF WOMEN (NOT CANCER)	1	1	0.8	4	-	-
PUERPERAL SEPTICAEMIA	1.1	1	-	-	2.0	-
OTHER PUERPERAL DISEASES	3.2	14	2.2	10	8.0	4
CONG. DEBILITY & MALF.	67.9	301	71.2	317	200.0	100
OLD AGE	14.4	6	3.8	17	-	-
ACCIDENT	39.3	174	47.6	212	76.0	38
HIGH FIDE	6.3	28	6.5	29	38.0	19
SUICIDE	10.4	46	12.1	54	8.0	4
ILL-DEF. NED CAUSES	8.1	36	9.9	44	0.0	5
ALL OTHER CAUSES	29.3	573	120.1	536	80.0	90

DEATHS - CERTAIN CAUSES IN AGE GROUPS - 1949

CAUSES OF DEATH	TOTAL DEATHS	UNDER 5		5 TO 24		25 TO 44		45 TO 64		65 & OVER	
		DEATHS	%	DEATHS	%	DEATHS	%	DEATHS	%	DEATHS	%
TOTALS	5066	439	8.5	119	2.4	472	9.3	1825	35.9	2231	43.9
MEASLES	0	0	-	-	-	-	-	-	-	-	-
WHOOPING COUGH	0	0	-	-	-	-	-	-	-	-	-
DIARRHOEAL DIS.	11	11	100.0	-	-	-	-	-	-	-	-
EARLY INFANCY	301	301	100.0	-	-	-	-	-	-	-	-
INFLUENZA	9	9	-	-	-	-	-	-	-	-	-
PNEUMONIA	151	42	27.9	3	1.9	10	6.6	37	24.5	50	39.1
BRONCHITIS	15	6	40.0	-	-	3	20.0	1	6.7	5	33.3
PULMONARY T.B.	188	1	0.5	23	12.2	66	35.1	71	37.8	27	14.4
BRIGHT'S DISEASE	249	-	-	4	1.6	35	14.1	93	37.3	117	47.0
CANCER	795	-	0.1	1	1.4	63	7.9	383	48.2	397	42.4
APOPLEXY	478	-	-	2	0.4	9	4.0	202	42.3	255	51.3
ORGANIC HEART	1728	3	0.2	4	0.8	86	5.0	646	37.4	979	56.6
ACCIDENTS	174	25	14.4	7	4.0	23	13.2	40	23.0	79	45.4

DEATHS BY SPECIAL CAUSES - 1935 - 1949

	1935	1940	1947	1946	1945	1944	1943	1942	1941	1940	1939
TOTAL -- ALL CAUSES	5286	5222	5238	5078	5292	5201	5702	5256	5127	5207	5005
INFANTILE PARALYSIS	5	2	-	4	7	3	-	2	3	-	-
TYPHOID FEVER	-	-	-	-	2	-	-	-	-	-	4
ERYSIPELAS	-	-	-	-	-	-	-	-	-	-	-
MEASLES	-	-	-	2	-	-	1	4	1	5	-
TETANUS	-	2	-	-	-	-	-	-	-	-	-
SCARLET FEVER	-	-	-	-	1	-	-	-	-	-	4
MUMPS	-	-	-	-	-	-	-	-	-	-	-
DIPHTHERIA	-	-	-	-	-	-	1	-	-	1	1
WHOOPING COUGH	-	-	1	-	-	-	2	3	4	-	6
INFLUENZA	-	4	4	4	7	2	23	5	19	8	0
EPIDEM. MENING. (GROUP)	4	2	3	7	1	17	27	5	1	-	1
OTHER EPIDEMIC DIS.	-	-	2	2	-	-	-	-	-	-	-
T. B. OF LUNGS	88	214	239	229	225	237	266	261	235	277	252
T. B. MENINGITIS	10	8	8	13	11	4	7	11	13	11	6
OTHER TUBERCULOSIS	13	10	12	19	11	16	21	16	26	21	19
CANCER & MALIGN. TUMOR	795	780	781	735	708	708	655	601	660	636	631
SIMPLE MENINGITIS	6	8	9	9	15	22	17	25	13	14	16
ADOLEX-SOFT. BRAIN	478	485	498	463	486	421	431	425	415	440	383
ORGAN & HEART DIS.	1728	1804	1724	1663	1764	1744	1975	1756	1530	1360	1240
BRONCHITIS	15	10	9	10	6	8	5	11	5	11	9
LOBAR PNEUMONIA	57	55	71	93	105	114	166	144	125	91	130
BRONCHO PNEUMONIA	94	78	89	96	111	120	162	102	119	103	101
OTHER RESPIRATORY DIS.	92	103	111	113	81	68	134	84	167	142	124
DISEASES OF STOMACH	43	39	35	39	32	34	48	34	30	31	39
DIARRHOEA (UNDER 5)	11	2	13	3	10	23	15	12	13	14	20
APPENDIC. & TYPHILITIS	19	7	11	19	29	25	31	34	45	68	61
NERVIA & INTEST. OBST.	40	36	39	36	44	62	75	67	50	59	57
CIRRHOSIS OF LIVER	59	77	55	51	49	48	40	34	47	37	36
BRY'S DIS. & NEPHRITIS	249	276	281	245	274	271	276	223	222	134	154
DIS. OF WOMEN (NOT CANCER)	1	4	5	7	7	7	7	10	4	19	11
PURPERAL SEPTICAEMIA	1	-	1	2	4	-	4	2	5	2	5
OTHER PURPERAL DISEASES	14	10	11	14	14	9	14	20	21	27	25
CONG. DEF. & MALF.	301	317	337	331	285	278	257	262	243	225	203
OLD AGE	6	17	19	13	18	29	46	30	43	28	36
ACCIDENTS	174	212	200	234	271	270	304	271	215	258	226
C & DCS	28	29	23	28	13	18	22	22	9	21	23
SUICIDES	46	54	51	42	47	42	55	66	55	82	59
ILL-DEFINED	36	44	63	54	79	32	30	42	51	50	39
ALL OTHER CAUSES	573	536	543	517	564	557	582	571	708	139	1083
RATE PER 100 POP.	11.2	11.4	11.5	11.1	11.6	11.5	12.6	11.9	11.6	11.7	10.6

TUBERCULOSIS STATISTICS - WHITE AND COLORED

YEAR	POPULA. (1940'S)		REPORTED CASES		DEATHS		MORBIDITY RATE			MORTALITY RATE		
	WHT	COL	WHT	COL	WHT	COL	TOTAL	WHT	COL	TOTAL	WHT	COL
1932	410	40	532	245	195	165	174.4	129.7	612.6	80.0	47.6	412.5
1933	412	40	513	230	227	154	167.5	124.5	575.0	85.8	55.1	385.0
1934	414	40	447	217	186	124	147.6	107.9	542.5	69.6	44.9	310.0
1935	415	40	431	220	189	124	143.7	104.8	540.0	69.5	45.5	317.0
1936	415	42	429	213	182	163	141.1	105.7	507.1	75.7	43.8	308.0
1937	415	43	385	186	187	112	125.5	92.8	432.5	67.8	45.0	260.4
1938	415	43	395	203	154	131	131.0	95.2	472.0	62.6	37.1	304.6
1939	415	44	350	179	155	117	116.3	84.3	406.8	60.3	37.3	265.9
1940	384	45	400	185	169	138	136.6	106.2	411.1	71.9	44.0	306.6
1941	384	45	398	210	154	9	142.7	113.6	416.6	71.9	47.0	274.4
1942	384	45	474	195	161	125	157.1	123.4	433.3	66.1	41.9	277.7
1943	392	48	464	231	177	117	160.2	118.3	481.2	68.8	45	243.7
1944	392	48	371	207	135	119	132.7	94.6	43.2	56.4	34.4	247.9
1945	393	50	326	165	130	115	111.7	82.9	333.0	55.8	33.0	233.0
1946	393	50	362	212	138	122	129.8	92.1	424.0	58.9	35.1	244.0
1947	395	50	307	220	138	120	118.9	91.6	440.0	58.2	34.3	240.0
1948	395	50	313	224	129	103	120.9	79.2	448.0	52.0	37.7	206.0
1949	393	50	313	223	119	98	120.5	79.6	446.0	47.6	30.2	184.0

BIRTHS BY ATTENDANT AND PLACE OF DELIVERY 1915-1949
(ALTERNATE YEARS TO SHOW TREND)

YEAR	TOTAL BIRTHS	NON-RESIDENT BIRTHS	HOSPITAL DELIVERIES	HOL- DEL PHYSICIAN	VERIES MIDWIFE	NO ATTENDANT	% TOTAL BIRTHS DEL'D IN HOSP.
1915	10,955	230	1,295	4,243	5,414	3	11.8%
1917	11,850	381	1,956	4,195	5,696	3	16.5%
1919	11,515	554	-	-	5,146	0	-
1921	11,705	-	-	-	4,470	0	-
1923	11,111	-	-	-	3,552	0	-
1925	11,852	1,258	4,845	3,208	2,799	0	44.6%
1927	10,342	1,246	4,995	2,709	2,338	0	49.7%
1929	9,905	1,822	5,805	2,436	1,724	0	58.3%
1931	9,506	2,137	6,824	1,491	1,191	0	71.8%
1933	7,997	1,703	6,195	986	716	0	78.4%
1935	7,638	1,812	6,076	1,047	515	0	79.5%
1937	7,659	1,956	6,602	603	374	0	87.2%
1939	7,950	2,180	7,315	401	234	0	92.0%
1941	9,765	3,162	9,282	325	158	0	95.1%
1943	11,356	3,978	11,230	432	194	0	94.7%
1945	11,254	3,916	10,867	272	115	0	96.6%
1947	14,710	5,206	14,419	211	80	0	98.0%
1949	13,439	4,881	13,174	192	43	0	98.2%

INFANT MORTALITY BY COLOR

(ALTERNATE YEARS TO SHOW TREND)

YEAR	WHITE INF. MORT. RATE	COL. INF. MORT. RATE	WHITE POST NEONATAL MORT. RATE *	COLORED POST NEONATAL MORT. RATE *	WHITE NEONATAL MORT. RATE	COL. NEONATAL MORT. RATE
1920	81.0	162.4	43.6	96.0	37.4	66.4
1921	67.9	132.4	32.4	79.4	35.5	54.5
1923	65.0	112.4	29.7	66.1	35.3	46.3
1925	61.0	155.1	33.8	89.9	27.2	65.2
1927	54.7	140.5	25.1	59.9	29.6	80.6
1929	49.8	138.7	23.2	70.3	26.6	68.4
1931	16.3	95.5	21.8	45.8	24.5	49.7
1933	19.1	91.1	17.2	42.8	21.9	48.3
1935	50.7	84.8	18.6	45.9	32.1	38.9
1937	34.5	61.5	12.9	37.8	21.6	23.6
1939	36.7	74.8	18.4	32.2	18.3	42.6
1941	28.5	62.6	7.5	21.5	21.1	41.1
1943	27.6	59.6	6.9	31.4	20.7	28.3
1945	31.7	54.6	10.5	20.8	21.2	33.7
1947	25.3	54.5	5.9	11.7	19.4	42.8
1949	22.3	61.9	5.0	17.2	17.3	44.7

* OVER ONE MONTH BUT UNDER ONE YEAR.

WHITE & COLORED - 94 - 95 - 96 - 97 - 98 - 99

	WAGE	PC	WAGE	DEATHS	DEATH RATE	BIRTHS	BIRTH RATE	DEATHS	WAGE
								UNIT	DEATH RATE
1	2,000	200	7.4	440	14.3	20	41.5		
2	1,000	179	4.9	225	8.7	10	44.4		
3	2,000	4.7	16.0	137	12.2	42	53.2		
4	7,000	52	7.4	49	21.1	4	27.0		
5	7,000	119	7.0	103	17.6	1	36.3		
6	20,000	4	9.7	409	21.4	2	29.3		
7	4,000	173	12.4	34	24.4	23	17.4		
8	39,000	376	9.6	9	13.4	22	24.1		
9	6,000	562	9.0	12.4	19.3	32	16.4		
10	23,000	1.5	3.8	324	16.1	3	3.2		
11	23,000	244	9.1	592	14.4	21	34.5		
12	21,000	160	7.6	392	18.7	0	25.5		
13	58,000	3.5	8.8	780	13.7	17	21.4		
14	3,000	240	7.7	625	20.2	18	28.8		
15	3,000	114	9.1	304	23.5	15	4.0		
16	46,000	400	8.7	793	14.5	22	37.0		
NO. DEATHS		857		4.81		06			
JANUARY DEATHS		67							
TOTAL	443,000	5084	11.5	3409	7.9	369	29.1		
1	1,500	26	7.3	12	41.3	1	48.4		
2	2,200	39	17.7	97	44.1	1	11.8		
3	17,000	274	6.2	499	41.1	40	57.3		
4	1,000	25	25.0	58	58.0	3	5.7		
5	1,000	7	21.2	38	41.5	4	20.2		
6	2,400	3	12.9	02	42.5	5	49.3		
7	5,400	98	8.1	233	43.1	16	69.6		
8	2,200	34	15.4	57	25.3	6	105.1		
9	3,000	13	7.4	82	10.7	1	10.4		
10	1,000	19	10.0	49	25.8	3	14.2		
11	1,500	20	13.3	70	10.0	6	16.6		
12	400	1	5.0	32	80.0	1	31.2		
13	500	7	14.0	4	28.0	2	142.8		
14	5,200	54	10.8	224	43.5	9	48.6		
15	1,000	10	8.6	115	32.8	9	14.2		
16	1,000	1	19.3	93	12.0	10	101.5		
NO. DEATHS		21		1		4			
JANUARY DEATHS		2							
TOTAL	53,000	195	14.1	2262	15.2	40	61.9		
1	2,000	174	6.8	178	11.8	17	44.9		
2	5,000	40	14.3	128	3.1	4	31.2		
3	9,000	142	15.7	139	5.4	2	14.4		
4	1,000	17	1.1	9	5.0	1	1.1		
5	1,200	172	1.3	265	6.3	7	26.1		
6	7,000	113	9.3	307	17.4	7	22.8		
7	8,000	75	6.8	08	1.6	7	4.8		
8	11,000	342	9.3	854	23.1	16	8.7		
9	1,000	5.1	8.1	134	7.4	21	20.3		
10	1,000	94	5.3	277	1.9	-	-		
11	2,000	241	8.9	444	1.1	15	33.9		
12	20,000	64	7.5	360	7.5	9	24.7		
13	53,000	508	11.8	772	13.1	15	10.3		
14	16,000	184	7.1	399	15.5	7	15.0		
15	5,000	89	9.4	9	20.1	6	3.4		
16	11,000	37	8.3	140	11.4	12	18.8		
NO. DEATHS		829		4745		12			
JANUARY DEATHS		1				1			
TOTAL	393,000	4281	10.9	11147	28.3	249	22.4		

TUBERCULOSIS BY WARD (1949) - LEBWORTH CITY & MORTALITY

(NOTE) THE FOUR HIGHEST RATES ARE IN THE 3RD, 4TH, 7TH AND 2ND WARDS, WHERE THE WORST SLUMS ARE LOCATED OR WHERE POPULATION IS MAINLY OF THE TRANSIENT "CHEAP ROOMING HOUSE" TYPE.

WARD	POPULATION (EST. 1947)			REPORTED CASES			TOTAL MORTALITY RATE PER CM	DEATHS			TOTAL MORTALITY RATE PER CM
	WHITE	COLORED	TOTAL	WHITE	COL.	TOTAL		WHITE	COL.	TOTAL	
1	25500	1500	27000	13	8	21	84	3	4	7	26
2	9900	2200	12100	20	9	29	24	9	5	14	116
3	9000	17000	26000	8	75	83	3.9	6	40	46	177
4	6000	700	7000	21	11	32	457	10	2	2	7.
5	6200	800	7000	20	4	24	41	9	2	11	65
6	7000	2400	20000	1	0	21	35	6	1	7	35
7	8600	5400	4700	0	25	35	220	4		15	07
8	36800	2200	39000	26	10	36	18	7	3	10	25
9	60000	3000	63000	33	13	46	73	15	7	22	35
10	8100	1900	20000	10	7	17	85	4	2	6	30
11	27500	1500	29000	23	9	32	110	7	4	11	18
12	20000	400	21000	16	2	8	86	5	2	7	13
13	57500	500	58000	34	2	36	62	9		10	7
14	25000	5200	30000	14	6	30	97	3	6	9	30
15	9500	3500	3000	6	0	16	123	5		6	46
16	44500	1500	46000	19	7	26	56	13	1	4	30
N R				29	5	34		3	0	3	
UNKNOWN				-	-	-		-	-	-	
TOTAL	393000	50000	443000	333	223	536	2.	9	92	211	47.6

INFANT MORTALITY RATES (1ST DAY-1ST MO. ETC.)

914 - 1949 (EVERY 3RD YR)

YEAR	UNDER 1-YEAR		OVER ONE DAY		UNDER ONE WEEK		OVER ONE WEEK		UNDER ONE MONTH		UNDER 1-YR.
	1-YEAR	B.T. UNDER 1-YR.	1-WK.	B.T. UNDER 1-WK.	1-WK.	B.T. UNDER 1-WK.	1-MO.	B.T. UNDER 1-MO.	1-YR.	B.T. UNDER 1-YR.	
1914	-	-	-	-	-	-	36.9	59.9	96.8		
1917	-	-	-	-	-	-	38.9	48.9	87.8		
1920	-	-	-	-	-	-	38.7	46.0	84.7		
1923	-	-	-	-	-	-	36.0	32.0	68.0		
1926	-	-	-	-	-	-	35.5	36.4	71.9		
1929	-	-	-	-	-	-	31.2	28.4	59.6		
1932	-	-	-	-	-	-	25.5	16.7	42.2		
1934	11.2	9.5	21.4	5.8	27.2	18.0	45.2				
1937	9.7	6.7	6.3	5.5	21.8	15.7	37.5				
1940	2.4	8.4	20.8	3.9	24.7	10.4	35.1				
1943	9.2	8.3	17.6	3.8	21.5	9.4	30.9				
1946	1.6	0.4	2.2	2.6	23.8	7.2	31.0				
1949	8.6	7.0	16.6	3.4	21.9	7.1	29.0				

* BREAKDOWN UNDER ONE MONTH NOT RECORDED UNTIL 1934

SANITARY DIVISION

CHRISTOPHER C. NUGENT, JR. - ASSISTANT HEALTH OFFICER -- JOHN F. LYNCH, CHIEF SAN. INSPECTOR

FOR THE PURPOSE OF INSPECTION, THE CITY IS DIVIDED INTO NINE INSPECTIONAL DISTRICTS. THE DIVISION ALSO USES THREE EMERGENCY AUTOMOBILES AND FIVE STOREVANS TO EXERCISE ITS ACTIVITIES. FOLLOWING IS A COMPLETE LIST OF INVESTIGATIONS, NUISANCES FOUND, WRITTEN NOTICES SERVED AND ABATEMENTS:

INVESTIGATIONS	COMPLAINTS	CRIG. NSP.	REF. NSP.	TOTALS
ANIMALS (DOGS, CHICKENS, ETC.) - - - - -	9,9	2509	367	4495
BABY STATIONS - - - - -	1	824	7	832
BARBER SHOPS - - - - -	3	9	4	16
BATHING POOLS & BATHS - - - - -		37	3	40
BEAUTY PARLORS - - - - -	3	10	4	17
BOARDING HOMES - - - - -		17	16	33
CHICKEN SLAUGHTER HOUSES - - - - -	4	5896	2	5902
CEMETERIES - - - - -	3		6	9
CONVALESCENT HOMES - - - - -		14		14
DAY NURSERIES - - - - -	60	37	35	132
DWELLINGS - - - - -	3577	27018	14861	46658
HOSPITALS - - - - -	1	131	4	136
HOTELS - - - - -	16	157	97	270
HOUSING PROJECTS - - - - -	78	918	233	1229
ICE DOCKS - - - - -	1	114	32	147
LODGING HOUSES - - - - -	5	106	15	126
ORPHAN ASYLUMS - - - - -	1	3	1	5
OFFICE BUILDINGS - - - - -	6	92	21	119
PENAL INSTITUTIONS - - - - -	2	8	2	12
PET SHOPS - - - - -	10	171	20	201
PUBLIC BUILDINGS - - - - -	12	164	30	206
PUBLIC DUMPS - - - - -	3	4	2	9
PUBLIC EXHIBITIONS - - - - -		1		1
PUBLIC PROPERTY - - - - -	31	289	220	540
PUBLIC STREETS - - - - -	42	234	204	480
R.R. STATIONS & BUS TERMINALS - - - - -	1	379	9	389
ROOMING HOUSES - - - - -	350	1531	767	2748
SCHOOLS - - - - -		316	10	326
STORES - - - - -	117	388	189	694
STABLES - - - - -	35	491	39	565
TAVERNS - - - - -	4	41	10	55
TENEMENTS (OVER 8 FAMILIES) - - - - -	1403	8587	4543	14533
THEATRES - - - - -	29	952	170	1151
VACANT LOTS - - - - -	205	772	418	1395
VEHICLES - - - - -	5	224	20	249
WAREHOUSES - - - - -	6	1		7
LIST OTHERS - - - - -	8	112	20	140
GARAGES AND T.B. X-RAYS - - - - -	2	24	2	28
TOTALS	6939	52581	23083	82597

MISCELLANY

CASES ENTERED FOR PROSECUTION	305	NO. OF CONVICTIONS	116
HOURS IN COURT	607 1/2	PROCESSES SERVED (FORMAL SUMMONS)	692
BIRTH CERTIFICATES PACKS DEL'D	2151	HEARING CASES SCHEDULED	578
CONDIS. CASES PLACARDED OR RELEASED	2	COMPLAINTS REF. TO OTHER CITY DEPTS.	727
GAS FUMIGATIONS & LUNNAGE SALES	382	NO GARBAGE COMPL. REC'D & INVEST.	1932
VISITS OWNERS/AGTS OF REAL ESTATE	3358	OTHERS	130

NUISANCES FOUND - 15,059

NOTICES SERVED - 15,080

ABATEMENTS - 14,198

FOLLOWING ARE TYPICAL INSANITARY CONDITIONS ABATED:

INSUFFICIENT HEAT IN HOMES AND OFFICES	INSPECTION OF ROOMING HOUSES
DEFECTIVE STORM WATER LEADERS & GUTTERS	ACCUMULATION OF GARBAGE & REFUSE
INSANITARY YARDS, CELLARS & ALLEYWAYS	HOUSES UNFIT FOR HABITATION
DARK AND WINDOWLESS ROOMS	INSPECTION OF CHICKEN MARKETS
INSPECTION OF PUBLIC BUILDINGS	OVERCROWDING

LICENSES & PERMITS - THE FOLLOWING LICENSES AND PERMITS ARE GRANTED BY THIS DIVISION AFTER APPROVED SANITARY INSPECTIONS: ICE, REFUSE, POULTRY SLAUGHTER HOUSES, CHICKEN (RABBITS, PIGEONS, ETC.), ANIMAL.

SANITARY DIVISION - CONTINUED

POISONING (FLEETARY PARK PIGEONS) - OPERATIONS IN THE FLEETARY PARK AREA WITH RESPECT TO STRAY PIGEONS HAS BEEN TEMPORARILY DISCONTINUED. SINCE THE BEGINNING OF THE CAMPAIGN IN 1946, THE PIGEON POPULATION HAS BEEN REDUCED TO FEWER THAN THE PREVIOUS YEAR. IT IS CONSIDERED IMPRACTICAL TO CONTINUE THESE OPERATIONS, NOT THE ARE ALWAYS A FEW WHO WILL ESCAPE TRAPPING, AND IT IS BELIEVED THAT THE NUMBER HAS NOW BEEN REDUCED TO A MINIMUM. DURING THE PERIOD OF THE CAMPAIGN MORE THAN 100 PIGEONS WERE CAPTURED AND DESTROYED BY THE ASSOCIATED HUMANE SOCIETIES AT OUR REQUEST.

POISONOUS WEED ELIMINATION - THE DIVISION CONTINUED ITS POISONOUS WEED ELIMINATION DURING THE YEAR, IN COOPERATION WITH THE BUREAU OF SANITATION AND TRADE TAXES. MORE THAN 500 LOTS WERE TREATED FOR WAGREED, POISON IVY AND OTHER UNDESIRABLE WEED GROWTH. SIXTY GALLONS OF 20% 2-4 D WERE USED AND THE TREATMENT WAS CONSIDERED EFFECTIVE. IT APPEARS THAT THIS WILL BE AN ANNUAL CAMPAIGN FOR THE ELIMINATION OF EXCESSIVE WEED GROWTH, AS A RELIEF TO MALARIA SUFFERERS.

SLUM CLEARANCE - LATE IN SEPTEMBER A VISIT WAS MADE TO THE CITY OF BALTIMORE TO EVALUATE THE SLUM CLEARANCE PROGRAM NOW IN PROGRESS IN THAT CITY. AS A RESULT OF THAT VISIT IT WAS LEARNED THAT THEY ARE ATTEMPTING TO CLEAR UP APPROXIMATELY 2,200 SQUARE BLOCKS OF SLUMS, AND IN ABOUT TWO YEARS OF THEIR OPERATION, THEY HAVE COMPLETED ABOUT 60 BLOCKS. A SERIES OF ARTICLES APPEARED IN THE NEWARK EVENING NEWS SHORTLY AFTERWARD, TOGETHER WITH PICTURES OF SLUM DWELLINGS IN THAT CITY, DESCRIBING SUCH CONDITIONS HERE. NEWARK IS NOT TO BE COMPARED WITH THE CITY OF BALTIMORE, SINCE OUR SLUM AREA INVOLVES APPROXIMATELY 350 SQUARE BLOCKS. THE PROGRAM HAS BEEN VERY EFFECTIVE IN THE CITY OF BALTIMORE AND IT APPEARS THAT A SIMILAR PROGRAM WILL BE INSTITUTED IN THIS CITY VERY SHORTLY.

FUMIGATION-PEST CONTROL

EDWARD A. SMITH, CHIEF INSPECTOR, FUMIGATION.

THIS DIVISION SUPERVISES ALL TOXIC GAS FUMIGATIONS. ALL FUMIGATIONS ARE CARRIED OUT BY FUMIGATING COMPANIES LICENSED BY THIS DEPARTMENT. THIS DIVISION SUPPLIES NOTIFICATION FORMS TO LICENSED OPERATORS, WHICH MUST BE FILED AT THIS OFFICE 48 HOURS PRIOR TO FUMIGATION AND AN INSPECTION IS MADE OF THE PREMISES TO ASCERTAIN WHETHER OR NOT IT CAN BE SAFELY CARRIED OUT. IF SO, A PERMIT IS ISSUED. ALL FUMIGATIONS ARE SUPERVISED BY US IN THEIR ENTIRETY. FOLLOWING IS A TABULATION OF ACTIVITIES FOR 1949:

TOTAL NUMBER OF FUMIGATIONS	228	VAULT FUMIGATIONS	26
FACTORY FUMIGATIONS	8	FOOD PLANTS	5
REMARKS SALES	185	FREIGHT CARS	4
INVESTIGATIONS FOR RODENTS-INSECTS	368	WRITTEN NOTICES SERVED TO EXTERN.	289
SPECIAL INSPECTIONS ON CITY AND PRIVATE DUMPS			24

RABIES CONTROL

DR. H. A. TARBELL, CHIEF BACTERIOLOGIST

ALL BITE CASES ARE INVESTIGATED BY SANITARY INSPECTORS ASSIGNED TO THE BACTERIOLOGICAL LABORATORY. Biting DOGS ARE QUARANTINED ON THE PREMISES. IF ON RE-INSPECTION, 10 DAYS LATER, THE ANIMAL IS STILL ALIVE AND WELL, IT PROVES THAT THE ANIMAL WAS FREE FROM RABIES IN THE INFECTIOUS STAGE AT THE TIME OF BITING, AND THE INDIVIDUAL DOES NOT NEED FURTHER TREATMENT. THIS WORK REQUIRED 5,826 ORDINANCE AND HEALTH INSPECTOR VISITS TO RELEASE DOGS FROM QUARANTINE. DURING THE YEAR, 37 DOGS FROM NEWARK AND OUT-OF-TOWN WERE EXAMINED AND FOUND TO BE NEGATIVE FOR RABIES. THIS WAS A MARKED REDUCTION FROM 1946 WHEN 34 NEWARK DOGS WERE PROVEN TO BE RABID AND 947 WHEN WE FOUND 5 NEWARK RABID DOGS, AND THE SECOND YEAR WITHOUT RABIES IN NEWARK. A TEST QUARANTINE ESTABLISHED BY THE STATE DEPT. OF HEALTH IN 1948 IS STILL IN FORCE, PREVENTING ANY DOG FROM BEING AT LARGE EXCEPT SECURELY LEASHED IN CHARGE OF A PERSON OVER 16 YEARS OF AGE. THIS AND THE FACT THAT OUR LOCAL ORDINANCE ALWAYS REQUIRES DOGS AT LARGE TO BE EITHER LEASHED OR Muzzled, 2,217 DOG AND OTHER ANIMAL BITE CASES WERE REPORTED AND INVESTIGATED.

<u>SUMMARY</u>	RABIES INVESTIGATED	--	2,217	NEWARK DOG GRABNS EXAMINED	27 (ALL)
	INSPECTOR	ONS	- 2,354	OUT-OF-TOWN	" " - 10 (NONE)
	RE-INSPECTIONS	-	3,500	PASTEUR TREATMENT GIVEN	- NONE
	TOTAL VISITS	-	5,826		

INDUSTRIAL HYGIENE DIVISION

CHARLES J. MAGUIRE, CHIEF INSPECTOR

ACTIVITIES OF THIS DIVISION UTILIZE THE VARIOUS SPECIALIZED FIELDS NECESSARY TO DETECT, EVALUATE AND CONTROL INDUSTRIAL HEALTH HAZARDS AND THE PREVENTION OF COMMUNITARIAN DISEASES. THIS BRANCH'S QUALITY IS HIGHLY TECHNICAL, REQUIRING MEDICAL, CHEMICAL AND ENGINEERING STUDIES OF ALL CONDITIONS AND FACTORS IN THE INDUSTRIAL ENVIRONMENT WHICH INFLUENCE THE HEALTH OF THE INDUSTRIAL WORKERS SO THAT THEY MAY BE SCIENTIFICALLY EVALUATED AND ADEQUATE CONTROL MEASURES INSTALLED. DURING THE YEAR, THERE WAS A RAPID NEW TECHNOLOGICAL DEVELOPMENT WHICH HAS INCREASED THE COMPLEXITY OF THESE PROBLEMS THROUGH THE INTRODUCTION AND USE OF NEW CHEMICALS AND PROCESSES WHICH HAVE BECOME A PERMANENT PART OF OUR POST-WAR INDUSTRIAL OPERATIONS, AND, THEREFORE, AN EVER PRESENT POTENTIAL HEALTH HAZARD. THUS, DETECTION, EVALUATION AND CONTROL ALONG PREVENTIVE LINES MUST BE A CONSTANT FUNCTION OF THE INDUSTRIAL HYGIENE DIVISION TO ELIMINATE OR PREVENT HAZARDS CONSIDERED POTENTIAL, FROM BECOMING ACTUALITIES.

THE TWO PUBLIC HEALTH NURSES ASSIGNED TO THE DIVISION CONTINUED TO GIVE ASSISTANCE TO PLANTS IN THE ESTABLISHMENT AND EXPANSION AND OPERATION OF EDUCATIONAL DEPARTMENTS WITH INDUSTRIAL NURSING SERVICES. THIS WAS AUGMENTED BY HEALTH EDUCATION ACTIVITIES IN THE ALL INCLUSIVE FIELD OF "ADULT HEALTH". AS A RESULT, 377 WORKERS WERE CHEST X-RAYED BY THE DIVISION IN COOPERATION WITH THE ESSEX COUNTY TUBERCULOSIS LEAGUE. THE LATTER PROVIDED THE UNIT AND ABSORBED THE EXPENSES ENTITLED. ALSO, FOR APPROXIMATELY 17,300 WORKERS HAD THEIR CHESTS X-RAYED BY THE STATE DEPARTMENT OF HEALTH. HERE, TOO, THE DIVISION FULFILLED AN IMPORTANT PART BY PROVIDING AND IMPROVING THE EDUCATION NECESSARY FOR THE RESPONSE. THE DIVISION TOWARD THE END OF THE YEAR, IN COOPERATION WITH THE STATE DEPARTMENT OF HEALTH CARRIED OUT A DIABETES CASE FINDING PROGRAM, AND 364 WORKERS HAD THEIR URINE ANALYZED FOR SUGAR OF WHICH FOUR WERE FOUND TO BE POSITIVE, BUT IN SUCH EARLY STAGES THAT INSULIN MAY NEVER BE NEEDED.

INSPECTIONS OF INDUSTRIAL PLANTS NUMBERED 8,479. INCLUDED WERE 365 COMPLAINTS FROM RESIDENTS, WORKERS, UNIONS AND INDUSTRIES, COVERING NOISE, ODORS, VENTILATION, ATMOSPHERIC POLLUTION, INSANITARY CONDITIONS, ILLUMINATION, ETC.

INSPECTIONAL ACTIVITIES DURING 1949 - (TOTAL VISITS 9,789)

COMPLAINT INSPECTIONS	365	WRITTEN NOTICES SERVED	268
ORIGINAL INSPECTIONS	6464	VERBAL " "	368
REINSPECTIONS	11104	TOTAL " "	636
TOTAL INSPECTIONS	7933	INDUSTRIAL HYGIENE SURVEYS	135
ABATEMENTS	475	RECOMMENDATIONS GIVEN	9
VIOLATIONS FOUND	556	COMPLIED WITH	61

MEDICAL AND NURSING ACTIVITIES - (TOTAL VISITS 1,121)

INDUSTRIAL NURSING SUR.	53	RECOMMENDATIONS GIVEN	650
MEDICAL CONSULTATION	1	FOLLOW-UP VISITS	78
NURSING VISITS	1121	LITERATURE DISTRIBUTED	1010

ENGINEERING INVESTIGATIONS - 189

GROUP EXAMINATIONS

ROUTINE X-RAYS	17495
ROUTINE URINE SPECIMENS FOR DIABETES DETECTION	366

VETERINARY DIVISION

DR. H. J. HUGHES, CHIEF VETERINARIAN -- DR. JOHN J. DEVINE, ASST. CHIEF

THIS DIVISION IS RESPONSIBLE FOR THE INSPECTION OF SLAUGHTERHOUSES, BOLOGNA K CENS, BUTCHER SHOPS, FISH MARKETS, POULTRY MARKETS AND ALL OTHER ESTABLISHMENTS WHERE MEAT, FISH AND POULTRY ARE SOLD, HANDLED OR PACKAGED, INCLUDING CITY INSTITUTIONS. IT ALSO INSPECTS THE COMMENSARIES OF RESTAURANTS, LUNCH ROOMS AND HAMBURGER STANDS; MEAT AND FISH TRUCKS AND LOADING PLATFORMS, AND POULTRY AND MEAT FREIGHT AND EXPRESS CARS. WORK IS CARRIED OUT BY TRAINED AND STATE LICENSED VETERINARIANS AND MEAT INSPECTORS.

ALL MEATS OFFERED FOR SALE IN NEWARK MUST BE SLAUGHTERED EITHER UNDER FEDERAL GOVERNMENT SUPERVISION, OUR OWN VETERINARIANS, OR LOCAL VETERINARIANS OF OUTSIDE COMMUNITIES WHERE INSPECTION IS APPROVED BY US. PERIODIC INSPECTIONS ARE ALSO MADE OF BIRDS AND ANIMALS OFFERED FOR SALE IN LOCAL PET SHOPS, AS SUCH LIVESTOCK CAN BE, AND OFTEN IS, A POTENTIAL SOURCE OF CERTAIN DISEASES TRANSMISSIBLE TO HUMANS.

DURING 1949 MORE THAN 115,000 CARCASSES OF CATTLE, SHEEP, CALVES, HOGS AND GOATS WERE INSPECTED AND RE-INSPECTED, EITHER AT LOCAL ABATTOIRS, OR AT LOCAL WHOLESALE HOUSES. CONDEMNATIONS DURING THE YEAR INCLUDED ENTIRE CARCASSES, 2,710 PARTS OF CARCASSES, 26,755 LBS. OF POULTRY, 39,000 LBS. OF MISCELLANEOUS MEATS, FISH AND PROVISIONS.

	NO.	INSPECTIONS		NO.	INSPECTIONS
BUTCHER SHOPS - - - - -	639	10,289	ABATTOIRS - - - - -	8	310
FISH STORES - - - - -	75	1,251	PET SHOPS - - - - -	20	207
PROVISION PROC. PLANTS -	55	3,134	CITY INSTITUTIONS - -	5	355
POULTRY MARKETS - - - -	70	879	WHOLESALE BEEF HOUSES	40	2,230
PUBLIC MARKETS - - - - -	30	463	" FISH " - - - - -	9	127
REFRIGERATION PLANTS - -	2	51	"LIVE POULTRY" - -	9	2,980
HORSE MEAT MARKETS - - -	4	80	CLAM HOUSES - - - - -	4	280
MISCELLANEOUS - - - - -		685	TOTAL INSPECTIONS & REINSPECTIONS -		23,421

DIVISION OF SANITARY ENGINEERING

CHARLES A. HALLGRING, CHIEF INSPECTOR

PLUMBING PERMITS FOR NEW CONSTRUCTION INCREASED DUE TO SOMEWHAT MORE AVAILABLE MATERIAL, ALTHOUGH THERE IS STILL ACUTE NEED FOR MORE HOUSING AND MORE MATERIAL. THIS DIVISION INVESTIGATES ALL COMPLAINTS REFERRING TO PLUMBING AND COOPERATES WITH OTHER DIVISIONS WHERE PLUMBING IS INVOLVED. THE WINTER, BEING BLIND, THERE WAS A DECREASE IN THE NUMBER OF COMPLAINTS. THERE HAS BEEN A DECIDED INCREASE IN THE NUMBER OF PENALTIES FOR VIOLATIONS. THE COURTS HAVE BEEN COOPERATING VERY NICELY. THE SCARCITY OF RAIN HAS MADE A VERY SERIOUS CONDITION ON OUR WATER SUPPLY. WE ARE MAKING EVERY EFFORT TO EDUCATE THE PUBLIC TO CONSERVE AND PREVENT THE WASTE OF WATER.

	1941	1942	1943	1944	1945	1946	1947	1948	1949
PLANS APPROVED - NEW SYSTEMS - -	168	135	142	45	130	181	187	223	204
PLANS APPROVED - OLD SYSTEMS - -	1001	677	562	596	696	1103	868	748	832
SEWER INSPECTIONS - - - - -	186	121	128	126	127	185	217	133	169
PLUMBING INSPECTIONS - - - - -	250	2243	2190	2165	2352	2910	3295	4000	4176
SPECIAL INSPECTIONS - - - - -	4713	6628	6732	11029	2718	13365	9355	9493	11455
FINAL PLUMBING INSPECTIONS - -	1108	1106	728	763	812	1110	973	954	957
WATER TESTS - - - - -	379	194	153	106	108	218	227	207	263
SMOKE TESTS - - - - -	89	35	18	3	4	5	1	34	39
COMPLAINTS RECEIVED - - - - -	484	531	583	1785	3251	2932	2690	3300	2835
VIOLATIONS NOTICES SERVED - - -	134	244	205	428	485	574	666	921	906
NOTICES COMPLIED WITH - - - - -	270	210	175	372	421	542	614	897	893
NO SUANCES ABATED - - - - -				1035	2170	2487	2510	3307	3107
LAW SUITS INSTITUTED - - - - -	28	27	44	8	17	30	55	88	103
MASTER PLUMBERS LICENSES ISSUED	424	413	401	396	384	412	431	524	435
CROSS CONNECTIONS DISCONTINUED -	47	38	12	3	1	22	147	17	52
WATER SAMPLES COLLECTED - - - -	1363	1231	1138	1187	1169	600	851	563	652
DANCE HALLS INSPECTED - - - - -	333	332	282	282	133	166	171	149	186

COMMUNICABLE DISEASE DIVISION

DR. J. W. GARDAN, MEDICAL DIRECTOR -- WILLIAM S. JENNINGS, CHIEF INSPECTOR

THE COMMUNICABLE DISEASE DIVISION IS RESPONSIBLE FOR CONTROLLING AND PREVENTING THE SPREAD OF DISEASE OTHER THAN VENEREAL AND TUBERCULOSIS. CASES REPORTED BY PHYSICIANS, NURSES, ETC., ARE VISITED BY OUR INSPECTORS, ISOLATED AND QUARANTINED AND CONTACTS QUARANTINED, PLACARDS PLACED AND CASES OFFICALLY RELEASED AT THE TERMINATION OF THE USUAL PERIOD ESTABLISHED BY LAW. MANY HOMES ARE RE-VISITED FREQUENTLY WHERE IT IS NECESSARY TO MAINTAIN STRICT SUPERVISION TO ENSURE PROPER QUARANTINE AND CONCURRENT DISINFECTION. CONTACTS TO DISEASES ARE EXAMINED BY THIS DIVISION BEFORE RETURNING TO SCHOOL OR BUSINESS. INSPECTORS MADE 17,956 SUCH VISITS DURING THE YEAR, TOGETHER WITH 18,794 IMMUNIZATION CAMPAIGN VISITS OR A TOTAL OF 36,750 HOME CALLS.

REPORTED BY	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	11-YR AVERAGE
* DIPHTHERIA	13	0	2	0	4	1	0	4	2	5	0	2
* SCARLET FEVER	1201	931	1087	645	401	642	604	496	433	345	482	604
* TYPHOID FEVER	25	6	2	5	8	3	18	2	4	1	0	6
* PARA TYPHOID	5	1	3	1	0	0	1	2	1	1	1	1
TUBERCULOSIS	534	586	612	674	705	585	495	575	528	538	536	585
UNDULANT FEVER	10	3	5	0	3	1	5	0	1	3	1	3
TRICHINOSIS	0	0	3	3	5	2	8	5	4	7	3	3
LOBAR PNEUMONIA	1069	994	912	952	1145	707	732	686	502	452	450	732
Broncho PNEUMONIA	662	583	599	597	799	567	545	623	494	629	654	597
EPIDEM. MENING.	3	7	4	36	136	118	52	32	21	10	8	31
* INFANT. PARALYSIS	5	10	18	37	13	29	50	19	17	31	99	19
** WHOOPING COUGH	2343	751	302	1534	1088	294	765	1789	1373	288	486	1069
MEASLES	163	6879	4259	4105	4987	3142	191	11392	454	6247	5782	4259
GERMAN MEASLES	81	470	6552	379	9113	489	263	1583	171	293	893	379
CHICKENPOX	173	2139	3632	2957	4484	3252	3439	1003	520	5059	6095	3439
MUMPS	679	1513	1389	576	3094	2384	358	1263	2747	2760	2319	2384
ERYSIPLAS	81	88	89	92	49	62	53	53	40	28	24	62
VINCENT'S ANGINA	182	140	98	416	428	1173	1568	1207	1168	1194	1148	1148
OPHTHALMIA NEON.	151	127	58	91	61	47	68	44	46	45	62	61
PUERPERAL FEVER	0	4	4	0	2	4	1	0	2	0	1	1
DYSENTERY (AMB.)	1	2	2	2	0	2	2	0	0	4	0	2
TETANUS	2	1	2	3	0	2	0	2	1	1	0	1
INFLUENZA	104	89	424	138	194	75	109	57	45	35	32	89
MALARIA	0	0	0	0	0	56	86	46	9	2	0	0

* PLACARDED

** ARM BANDS ON PATIENTS

THE PAST YEAR SHOWED THE HIGHEST PREVALENCE OF INFANTILE PARALYSIS SINCE 1931, WITH 99 CASES AND 5 DEATHS. IN 1931 THERE WERE 100 CASES AND 10 DEATHS. THE ONLY REAL EPIDEMIC OF THIS DISEASE WAS IN 1916, WHEN WE HAD 1422 CASES AND 374 DEATHS. IT IS ENCOURAGING TO NOTE THAT IN THAT EPIDEMIC OF '16, MORE THAN 25% OF THE REPORTED CASES DIED; IN 1931 THAT RATE DROPPED TO 10% FATAL, AND LAST YEAR, THE RATE WAS ONLY 5% FATAL. OUR 1949 PREVALENCE WAS WELL BELOW THE PREVALENCE RATE IN MANY NEARBY AND OTHER SECTIONS OF THE COUNTRY.

ALSO SIGNIFICANT WAS THE FACT THAT THERE WERE ONLY 486 CASES OF WHOOPING COUGH COMPARED WITH AN 11-YEAR NORM OF 1099 CASES. IT IS FELT THAT THIS VERY UNUSUAL DECREASE WAS DUE LARGELY TO THE IMMUNIZATION PROGRAM NOW SUPERVISED BY THIS DIVISION, WHOSE INSPECTORS MADE 18,794 VISITS TO PARENTS OF CHILDREN TO SECURE IMMUNIZATION AGAINST BOTH WHOOPING COUGH AND DIPHTHERIA. ON THESE HOME VISITS THE INSPECTORS SECURE COOPERATION BY EDUCATIONAL METHODS AND TECHNIQUES.

DIPHTHERIA LIKEWISE HAS BEEN ALMOST ERADICATED IN NEWARK BY VIRTUE OF THIS PROGRAM, WITH ONLY 18 CASES AND 1 DEATH IN TEN YEARS. TO BETTER PROTECT AGAINST THIS CHILDHOOD DISEASE, A PROGRAM OF RE-IMMUNIZATION OF SCHOOL CHILDREN WAS STARTED IN THE SCHOOLS IN 1949. THIS IS EXPECTED TO INSURE CONTINUED CONTROL OF THIS DISEASE.

SPECIAL WHOOPING COUGH REPORT - THIS DEPARTMENT HAS FOR MANY YEARS BEEN CAMPAIGNING FOR UNIVERSAL IMMUNIZATION AGAINST WHOOPING COUGH. OUR ORIGINAL EXPECTATION WAS THAT IT WOULD, AT LEAST, REDUCE SEVERITY, EVEN THOUGH IT MIGHT NOT GREATLY REDUCE PREVALENCE. BY USING COMBINED DIPHTHERIA-WHOOPING COUGH VACCINE, WE ALSO BELIEVED IT WOULD HELP MAINTAIN DIPHTHERIA PROTECTION. ORIGINALLY, WE USED ONLY TWO INJECTIONS OF PERTUSSIS-DIPHTHERIA ALUM TOXOID. AFTER THAT, FOR SEVERAL YEARS, WE USED THREE INJECTIONS OF PERTUSSIS-DIPHTHERIA ALUM TOXOID AND FOR THE PAST TWO YEARS HAVE INCLUDED FLU D TETANUS TOXOID. OUR STUDY OF EVERY REPORTED CASE HOWEVER SEEMED TO INDICATE THAT NOT ONLY IS SEVERITY REDUCED BUT EVEN PREVALENCE GREATLY LOWERED.

COMMUNICABLE DISEASE DIVISION (CONTINUED)

IMMUNIZATION RECORD (WHOOPIING COUGH & DIPHTHERIA)

NOTE: OUTSTANDING COOPERATION BY PRIVATE PHYSICIANS

WHOOPIING COUGH			DIPHTHERIA		
PRIVATE DOCTOR	HEALTH CLINIC	TOTAL	PRIVATE DOCTOR	HEALTH CLINIC	TOTAL
1941	0	4161	2380	2004	4384
1942	177	3697	3798	2296	6094
1943	1095	2819	4593	3074	7667
1944	3653	2951	5486	2951	8437
1945	4542	3052	6084	3052	9136
1946	4917	3339	5937	3339	9276
1947	6046	3324	6787	3324	10110
1948	6303	3389	6619	3389	10008
1949	5616	3352	5849	3353	9202

AS MOST OF THESE TREATMENTS ARE UNDER 1 YEAR OF AGE, PRACTICALLY ALL THE CHILDREN TREATED IN THE PAST 4 YEARS ARE STILL PRE-SCHOOL (36,245 UNDER 10% 10-14, 38596 DIPHTHERIA). AS THE ESTIMATED POPULATION UNDER 5 IS ABOUT 40,000, IT CAN READILY BE SEEN THAT OUR PROPORTION OF PROTECTED PRE-SCHOOL CHILDREN IS OVER 95% FOR DIPHTHERIA AND 90% FOR WHOOPIING COUGH. AS IN OUR CLINICS, THE BULK OF PRIVATE DOCTOR TREATMENTS ARE WITH COMBINED MATERIAL.

WHOOPIING COUGH IMMUNIZATION - PREVALENCE & SEVERITY

STUDY OF ALL REPORTED CASES FOR THREE YEARS (1947-1949)

CASES UNDER SEVEN YEARS - 1768

	ESTIMATED POPULATION UNDER SEVEN YEARS	ANNUAL PREVALENCE				
		CASES	RATE PER 1000	MILD	MODERATE	SEVERE
UNIMMUNIZED	6,000	602	33.9	203 - 35%	282 - 47%	117 - 18%
IMMUNIZED	54,000	1166	7.2	551 - 49%	512 - 43%	103 - 8%
TOTAL	60,000	1768	30.0	754 - 43%	794 - 45%	220 - 12%

CASES OVER SEVEN YEARS - 379

		CASES	RATE PER 1000	MILD	MODERATE	SEVERE
UNIMMUNIZED	-	124	-	49 - 40%	51 - 41%	24 - 19%
IMMUNIZED	-	255	-	128 - 50%	94 - 37%	33 - 13%
TOTAL	-	379	-	177 - 46%	145 - 38%	57 - 16%

NOTE: WE HAVE NOT ATTEMPTED TO ESTIMATE POPULATION OVER 7, AS CASES OCCUR AT ALL AGES, EVEN ADULTS. THE ESTIMATE FOR UNDER 7 IS 60,000, AND OF THESE, 51,000 HAVE RECEIVED INJECTIONS, OR 90%. THE RATE OF PREVALENCE, ACCORDING TO THIS ESTIMATE IS ALMOST FIVE TIMES AS HIGH AMONG UNIMMUNIZED CHILDREN, AS AMONG THOSE WHO HAVE HAD PROTECTIVE TREATMENT.

THREE YEARS AGO WE STARTED ACCURATE RECORDING AS TO DATE OF ATTACK IN RELATION TO DATE OF IMMUNIZATION TREATMENT, INASMUCH AS ANY OF THE CASES DEVELOPED YEARS AFTER TREATMENT AND ANY WHOSE DISEASE WOULD NATURALLY BE LOST BY THAT TIME. IN DIPHTHERIA, IT KNOW THAT MOST CHILDREN ARE SUCCESSFULLY IMMUNIZED BY TREATMENT AND REMAIN PROTECTED FOR 3 YEARS, AFTER WHICH PROTECTION RAPIDLY DECLINES. OUR STUDY WOULD SEEM TO INDICATE THAT WHOOPIING COUGH IMMUNIZATION TREATMENT IS REMARKABLY SIMILAR. THIS IS DEMONSTRATED IN SEVERAL WAYS:

- 1 - THE GREATLY REDUCED PREVALENCE RATE AMONG TREATED CHILDREN.
- 2 - THE GREATLY REDUCED SEVERITY IN THE PROTECTED GROUPS.
- 3 - THE FACT THAT OUR STUDY SHOWS THAT AMONG 1166 CASES WHICH HAD SOME IMMUNIZATION, 507, OR ALMOST 50% HAD BEEN TREATED THREE YEARS BEFORE ATTACK, OR LONGER.

THE ABOVE TABLE SHOWS THAT SEVERE CASES AMONG UNPROTECTED ARE MORE THAN DOUBLE THE PROPORTION AMONG PROTECTED. INCIDENTALLY, ONLY ONE DEATH OF THE DISEASE WAS AN UNPROTECTED BABY.

FOOD & DRUG DIVISION

JOSEPH F. CONNOLLY, ASST. HEALTH OFFICER - DAY D. E. LORAN, CHIEF INSPECTOR

OUR SERIES OF LECTURES FOR FOODHANDLERS, EXPLAINED ON PAGE 2 OF THIS REPORT HAS RESULTED IN A MARKED INCREASE IN THE AMOUNT OF AND THE NUMBER OF SELF INSPECTION OF FOOD ESTABLISHMENTS BEING CARRIED ON BY MANAGEMENT IN ORDER TO EFFECT IMMEDIATE COMPLIANCE WITH HEALTH REQUIREMENTS AND A CLOSER COOPERATION WITH HEALTH AUTHORITIES IN THE REFORMING OF FOOD HANDLER AND SANITATION PROGRAMS.

DURING THE YEAR OUR DIVISION EMBARGOED AND HAD REMOVED FROM LOCAL FOOD CHAIN-NEWS SUCH LARGE LOTS OF FOODSTUFFS AS: 2,452 LBS. OF BRAZIL NUTS, 2,784 BARS OF SHEET MILK AND MILK Cakes, 55,200 TINS OF BUT AND DATE BREAD, 2,256 BARS OF CANTY AND MANY SMALLER LOTS OF FOODSTUFFS. HUNDREDS OF PACKAGES AND POUNDS OF FOODSTUFFS WERE CONFINED AND DESTROYED AS THE RESULT OF FIRES IN FOOD ESTABLISHMENTS.

OUR DIVISION PARTICIPATED IN RECALL PROGRAMS INAUGURATED BY THE FEDERAL AUTHORITY OF A NUMBER OF DANGEROUS AND ADULTERATED DRUGS. IN THESE PROGRAMS, ALL CHANNELS OF COMMUNICATING WITH THE INDUSTRY AND THE PUBLIC WERE UTILIZED (TELEGRAMS, LETTERS, RADIO, PRESS ANNOUNCEMENTS AND PERSONAL INSPECTIONS). WHEN A DANGEROUS DRUG IS KNOWN TO BE AT LARGE, IT GETS TOP PRIORITY OVER REGULAR WORK.

ABORTIFACIENTS FOR HYDROPHOBIA, AMPHETAMINE (BENZEDRINE) TO WARD OFF FATIGUE, SULFA DRUGS AND ANTIBIOTICS FOR VENEREAL DISEASES AND OTHER INFECTIONS, THYROID FOR WEIGHT REDUCTION, ETC., HAVE AN ATTRACTION TO PEOPLE SEEKING TO DIAGNOSE AND TREAT THEIR OWN ILLS. IN THE HANDS OF QUALIFIED PHYSICIANS THESE DRUGS SERVE ANY USEFUL PURPOSE WITHOUT INJURY TO THE PATIENT; ADMINISTERED BY THE UNINFORMED, THEY CAN CAUSE IRREPARABLE HARM. DURING THE YEAR, OUR INSPECTIONAL STAFF MADE A DRIVE AGAINST UNSCRIBED DISPENSING. ONLY THROUGH CONSTANT CONTROL WORK CAN THIS IMPROPER PRACTICE BE KEPT AT A MINIMUM.

CITY FOOD & DRUG INSPECTION SERVICE

PLACES WHERE FOODSTUFF IS PREPARED OR COOKED		MISC. OTHER FOOD ESTABLISHMENTS INSPECTED			
PLACES	INSPECTIONS	PLACES	INSPECTIONS		
RESTAURANTS, LUNCHROOMS,	936	5801	TAVERNS - - - - -	513	2093
" IN TAVERNS	456	2078	CONFECTIONERIES - - - - -	586	2086
" IN CONFECTION.	249	665	GROCERY & DELICATESSEN	1322	5233
" IN DEL. CATERSS.	48	76	PRODUCE - - - - -	30	653
" IN DRUG STORES	40	120	DRUG STORES - - - - -	178	598
BAKERIES - - - - -	211	1223	MISCELLANEOUS - - - - -	370	1004
MISCELLANEOUS PLANTS - - -	64	907	SPECIAL INVESTIGATIONS		5069
TOTAL INSPECTIONS & INVESTIGATIONS		= 29,036			
NOTICES SERVED	2023	CASES TURNED IN FOR LEGAL ACTION		17	
NOTICES ABATED	1851	HEARING NOTICES SENT TO VIOLATORS		101	
COMPLAINTS INVESTIGATED	439	MISC. FOOD SAMPLES TAKEN		332	

GLASS & PLASTIC SAMPLES FROM THERMOS FOR BACTERIOLOGICAL EXAMINATION - 1949

BACTERIAL SAMPLES TAKEN - 961		STERILE - - - - -	659	68.58%
		COUNTS 1 TO 1,000 - - - - -	125	13.0%
		" 1,001 TO 100,000 - - - - -	159	16.55%
		" OVER 100,000 - - - - -	18	1.87%
		SAMPLES SATISFACTORY - - - - -	943	98.13%
		AVERAGE COUNT - - - - -	5000	
MILK SAMPLES TAKEN - 961		STERILE - - - - -	882	91.78%
		COUNTS 1 TO 1,000 - - - - -	62	6.45%
		" OVER 1,000 - - - - -	17	1.77%
		SAMPLES SATISFACTORY - - - - -	944	98.23%
		AVERAGE COUNT - - - - -	52	
COLON INDEX SAMPLES TAKEN - 96		STERILE - - - - -	826	86.15%
		COUNTS 1 TO 50 - - - - -	62	6.45%
		" OVER 50 - - - - -	73	7.40%
		SAMPLES SATISFACTORY - - - - -	888	92.60%
		AVERAGE COUNT - - - - -	33	

FOOD & DRUG DIVISION (CONTINUED)

MILK & DAIRY CONTROL

<u>INSPECTIONS REPORT</u>	<u>INSP.</u>	<u>RE-INSP.</u>	<u>TOTAL</u>	<u>EXCLUDED</u>
PASTEURIZING PLANTS	189	12	201	2
RECEIVING PLANTS	175	8	183	-
DAIRIES	8649	466	9115	173

MILK CONDEMNED - - 13,580 QTS.

<u>MILK SAMPLING</u>	<u>NO. OF SAMPLES</u>	<u>AVE. BACT. PER C. C.</u>	<u>AVE. % BUTTERFAT</u>	<u>AVE. % TOTAL SOLIDS</u>
GRADES OF MILK				
CERTIFIED RAW	6	6,400	4.02	13.42
CERTIFIED PASTEURIZED	3	4,500	3.93	12.63
PREMIUM PASTEURIZED	279	11,000	4.19	13.16
PASTEURIZED	671	12,100	3.71	12.52
GRAND AVERAGE	959	11,700	3.82	12.71

953 PHOSPHATASE TESTS MADE.

ESTIMATED DAILY MILK CONSUMPTION OF NEWARK (PER CAPITA) 1.05 PINTS
(POPULATION 443,000) DAILY CONSUMPTION 232,000 QTS.

* * * * *

OCCUPATIONAL CLINIC

DR. WILLIAM T. RUMAGE, DIRECTOR

M. C. MANNING, OFFICE MANAGER

BY LOCAL ORDINANCE, ALL FOOD HANDLERS AND DOMESTICS MUST BE PHYSICALLY EXAMINED AND RECEIVE HEALTH CARDS EVERY SIX MONTHS. THE EXAMINATION INCLUDES THE BLOOD TEST FOR SYPHILIS, TWICE YEARLY FOR DOMESTICS AND ONCE YEARLY FOR FOOD HANDLERS, AS WELL AS A 4"x5" X-RAY ANNUALLY FOR BOTH FOOD HANDLERS AND DOMESTICS. VINCENTS ANGINA SHEARS ARE TAKEN WHERE ABNORMAL MOUTH SYMPTOMS ARE PRESENT.

DURING THE YEAR, 32,589 FOOD HANDLERS AND 4,445 DOMESTICS RECEIVED HEALTH CARDS. OF THESE, 29,955 FOOD HANDLERS AND 4,404 DOMESTICS WERE EXAMINED WITHOUT COST AT OUR CLINIC. THE OTHER 3,075 WERE EXAMINED BY PRIVATE PHYSICIANS.

THE WORK IS A VALUABLE WORTH-WHILE CASE-FINDING PROGRAM FOR TUBERCULOSIS AND VENEREAL DISEASE, PLACING INSUSPECTED CASES THUS FOUND, UNDER TREATMENT. IN ADDITION TO THIS, THE PROCEDURE INSTRUCTS FOOD HANDLERS WITH THE HAZARDS OF DISEASE SPREAD AND THE VITAL NEED OF PERSONAL HYGIENE.

WE FOUND 465 FOOD HANDLERS AND DOMESTICS WITH POSITIVE BLOOD TEST FOR SYPHILIS. THEY WERE GIVEN TETRAVALARY CARDS AND IMMEDIATELY STARTED TREATMENT. THEY WERE NOT EXCLUDED AS THEY WERE NON-INFECTIOUS.

WE DISCOVERED 36 GONORRHEA CASES WHICH WERE EXCLUDED UNTIL CURED, BUT THE RAPID CURE TREATMENT ENABLED THEM TO RESUME REGULAR WORK VERY QUICKLY.

MANY CASES OF SKIN CONDITIONS WERE FOUND BUT ONLY TWO WERE EXCLUDED, THE OTHERS BEING NON-INFECTIOUS.

AMONG 2,742 SHEARS WHERE MOUTHS SHOWED SUSPICIOUS CONDITIONS, 1,253 WERE FOUND TO BE POSITIVE FOR VINCENTS ANGINA. ALL WERE REQUIRED TO IMMEDIATELY UNDERGO TREATMENT.

THIS CLINIC COOPERATES WITH THE INDUSTRIAL HYGIENE DIVISION BY X-RAYING AND BLOOD-TESTING GROUPS OF EMPLOYEES REFERRED BY THAT DIVISION. SUSPICIOUS X-RAYS ARE REFERRED TO THE TUBERCULOSIS DIVISION.

CHEST DISEASE DIVISION

DR. RYING W. LLNER, DIRECTOR -- DR. JAMES JASO, ASST. DIRECTOR
MAE WACKENHUTH, R.N., SUPERVISING NURSE

IT WILL BE NOTED THAT OUR DIVISION IS NOW KNOWN AS THE CHEST DISEASE DIVISION INSTEAD OF THE TUBERCULOSIS DIVISION. ADVANTAGES OF THIS CHANGE ARE MANY. CARDIAC, MAY EMB AND ASTHMA CLINICS HAVE ALWAYS BEEN PART OF OUR DIVISION, AND HAVE BEEN GREATLY EXPANDED. MOST CASES OF LUNG PATHOLOGY EXAMINED AND TREATED IN OUR CLINICS ARE NOT THE RESULT OF INFECTION BY THE TUBERCLE BACILLUS. TUBERCULOSIS CONTROL WORK, INCLUDING DIAGNOSIS AND TREATMENT, IS CONTINUING AS BEFORE. THERE IS A PSYCHOLOGICAL BENEFIT IN REFERRING PATIENTS TO A CHEST DIVISION, AND CURE THE FEAR OF HAVING TUBERCULOSIS EVEN BEFORE A DIAGNOSIS HAS BEEN MADE.

TUBERCULOSIS CONTROL (LOWEST MORTALITY EVER RECORDED)

THE MORTALITY RATE FOR 1949 DROPPED TO 47.6 AGAIN THE LOWEST EVER RECORDED IN NEWARK. THE 1948 RATE WAS 52.1. MORTALITY CONTINUED AT ABOUT THE SAME RATE AS IN THE PREVIOUS YEAR WITH 536 CASES, COMPARED WITH 538 IN 1948.

INTENSIVE CASE FINDING PROGRAMS AND EXAMINATION OF LARGE NUMBERS OF INDIVIDUALS HAS CONTINUED. MASS X-RAY PROGRAMS WITH ASSISTANCE OF ASSOCIATED AGENCIES HAVE BEEN CONDUCTED IN MANY SECTIONS OF THE CITY AND IN NUMEROUS INDUSTRIAL PLANTS. THESE PROGRAMS HAVE RESULTED IN LOCATING MANY NEW CASES IN THE EARLY OR INCUBENT STAGE WHICH ARE INVARIABLY CURED, AND THIS PREVENT FURTHER INFECTION OF OTHERS. THE EARLIER THE INFECTION PROCESS IS LOCATED, THE BETTER THE CHANCE OF RECOVERY AND THE EASIER IT FIND AND TREAT THE POSSIBLE SOURCE OF INFECTION. SCREENING PROGRAMS FORM ONLY AN INITIAL STEP IN TUBERCULOSIS CONTROL. THE INTENSIVE FOLLOW-UP IS FAR MORE IMPORTANT. ALL SUSPICIOUS CASES LOCATED BY ORIGINAL X-RAY WITH THE 4X5" P.L. ARE RETAINED IN DETAIL BY CLINICAL EXAMINATION, RE-XRAY BY MEANS OF A 4X17" PLATE AND SPUTUM ANALYSIS. WHERE FURTHER WORK-UP IS REQUIRED, BACTERIAL LAVAGE, GUINEA PIG INOCULATIONS, CULTURES, TUBERCULIN TEST, SEDIMENTATION RATE, ETC., ARE UTILIZED. AN IMPORTANT FACTOR IN ALL PROGRAMS IS THAT OTHER FORMS OF CHEST PATHOLOGY ARE LOCATED THAT WERE NOT KNOWN TO THE INDIVIDUAL. SURVEYS REVEAL PLEURAL AND DIAPHRAGMATIC PATHOLOGY, EVIDENCE OF BONE DISEASE AND CARDIOVASCULAR ABNORMALITIES. ALL FORMS OF HEART DISEASE ARE REFERRED TO OUR CARDIAC CLINIC FOR FURTHER STUDY. CONDUCTING X-RAY STUDIES WITHOUT INTENSIVE FOLLOW-UP WOULD BE A WASTE OF PUBLIC FUNDS.

THE CLINIC GAVE 1134 COLLAPSE THERAPY TREATMENTS COMPARED WITH 753 IN 1948.

IN SEVERAL CASES WHERE SPUTUM CONTINUED TO REMAIN POSITIVE IN SPITE OF TREATMENT, THEY WERE REFERRED TO SANATORIA FOR PNEUMOLYSIS OR THORACOLASTY. CLINICAL EXAMINATIONS INCREASED DURING THE YEAR, 1951 COMPARED WITH 3827 IN THE PREVIOUS YEAR. THERE WERE 5670 X-RAYS TAKEN BY OUR DIVISION AS COMPARED WITH 6080 IN 1948. IN ADDITION, 1188 PLATES WERE EXAMINED FOR OUR CLINICS AND DIVISIONS OF THE CITY DISPENSARY. AMONG THE ROUTINE X-RAYS IN THE TUBERCULOSIS CLINICS 94 CASES OF ACTIVE TUBERCULOSIS WERE LOCATED. AMONG THE PLATES TAKEN FROM OTHER CLINICS, THE FOLLOWING PATHOLOGY WAS FOUND:

CARDIAC PATHOLOGY	286	SUSPICIOUS TUBERCULOSIS	263
BRONCH ECTASIS	6	ACTIVE TUBERCULOSIS	5
ARRESTED TUBERCULOSIS	9	PLEURAL EFFUSION	1

FLUOROSCOPY HAS BEEN PERFORMED MORE ACTIVELY IN THE PAST YEAR AND 3342 EXAMINATIONS WERE MADE AS COMPARED WITH 813 IN 1948. DURING THE YEAR 230 FOOD HANDLERS AND 27 DOMESTICS WERE REFERRED TO US FOR EXAMINATION, RE-XRAY AND FURTHER STUDY. OF THE 186 FOOD HANDLERS AND 24 DOMESTICS WE GAVE TEN OR MORE CANDID AND 17 FOOD HANDLERS AND 3 DOMESTICS WERE FOUND TO HAVE ACTIVE TUBERCULOSIS AND WERE REFERRED FOR EMPLOYMENT.

THE NURSES IN ARRANGING FOR EXAMINATIONS OF CONTACTS AND IN REGULAR ACTIVITIES AMONG ACTIVE AND SUSPICIOUS CASES OF TUBERCULOSIS, MADE 27,524 VISITS AS COMPARED WITH 24,839 IN 1948.

DURING THE YEAR, STRESS HAS BEEN PLACED ON THE LARGE NUMBER OF CASES EXISTING IN SLUM AREAS. WE HAVE REPEATEDLY RECOMMENDED IMPROVED HOUSING AND BETTER SANITATION TO REPLACE THE OVERCROWDING AND DEPLORABLE CONDITIONS FOUND IN THE SLUMS OF NEWARK.

OUR EDUCATIONAL PROGRAM CONTINUES WITH LECTURES BY BOTH PHYSICIANS AND NURSES AMONG VARIOUS GROUPS STRESSING THE PROPHYLAXIS AND VALUE OF EARLY DIAGNOSIS OF TUBERCULOSIS. TWO SCIENTIFIC PAPERS ON THE CONTROL WERE PUBLISHED IN THE MEDICAL PRESS.

"NEGRO TUBERCULOSIS CONTROL" IN THE N. J. STATE MEDICAL JOURNAL AND "THE B C G PROBLEM" IN THE LATIN-AMERICAN MEDICAL JOURNAL. THESE PAPERS ACCENTUATE OUR ACTIVITY AND PROGRESS IN THE CONTROL OF TUBERCULOSIS AND RECOMMEND A PROGRAM FOR FURTHER STUDY.

CARDIAC DISEASE CONTROL

THE CARDIAC CLINIC HAS BEEN ACTIVE DURING THE PAST YEAR AND SEVERAL CARDIOLOGISTS HAVE BEEN ADDED TO ASSIST IN DIAGNOSIS AND TREATMENT. 162 PATIENTS WERE EXAMINED. THERE WERE 5,494 EXAMINATIONS AS COMPARED WITH 3,479 IN 1948 AND 1,000 ELECTROCARDIOGRAMS WERE TAKEN BY A SPECIALIZED NURSE TRAINED TO THIS WORK. IN THE TREATMENT OF CARDIAC DISEASES, 1,000 PATIENTS RECEIVED INJECTIONS OF MERCAPYURIN. ALL PATIENTS HAD 4X7 R-FT. X-RAY PLATES. ALL WERE FOLLOWED UP FREQUENTLY, HAD HEMOGLOBIN TESTS, AND, WHEN INDICATED, BLOOD COUNT, SEDIMENTATION RATE, URINALYSIS, BASAL METABOLISM AND BLOOD CHEMISTRY STUDIES. FORTY CASES WERE REFERRED FOR ANGIOCARDIOGRAPHY. THE FOLLOWING ETIOLOGICAL CLASSIFICATION OF CASES TREATED DURING THE YEAR DEMONSTRATES THE ACTIVITY OF THIS DIVISION:

HYPERTENSIVE	561	ARTERIOSCLEROTIC	197
SYPHILITIC	71	RHEUMATIC	61
CONGENITAL	22	PULMONARY	16
ANEMIA	1	PERICARDIAL EFFUSION	1
ARTERIO-VEINOSUS		HYPERTHYROIDISM	1
ANEURYSM	1	NO HEART DISEASE	163
POTENTIAL OR POSSIBLE	44	UNKNOWN	20

HAY FEVER AND ASTHMA CLINIC

THE ALLERGY CLINIC HAS RECENTLY BEEN REORGANIZED AND IS SUPERVISED BY DR. FRANK L. ROSEN WHO VOLUNTEERS HIS SERVICES. THE CLINIC DRAWS ITS PATIENTS BY REFERRAL FROM OTHER CLINICS AND PRIVATE PHYSICIANS.

A NEW HISTORY FORM IS BEING USED AND THE NUMBER OF TESTING AND TREATMENT EXTRACTS INCREASED TO CONFORM WITH STANDARDS SET BY THE AMERICAN COLLEGE AND ACADEMY OF ALLERGY FOR AN APPROVED ALLERGY CLINIC. IT IS SHOWN THAT IN THE NEAR FUTURE SEVERAL PHYSICIANS CAN BE ADDED TO THE CLINIC STAFF TO INCREASE THE WORK FOR PATIENTS WITH ASTHMA, ALLERGIC NASALITIS AND GASTRO-INTESTINAL SYMPTOMS OF ALLERGY. THERE WERE 1,949 EXAMINATIONS MADE. MOST OF THESE CASES WERE TESTED WITH VARIOUS SUBSTANCES TO DETERMINE THE ETIOLOGY OF THEIR ILLNESS AND TREATMENT WAS RENDERED. SEVERAL RESEARCH PROJECTS ARE CONTEMPLATED FOR THE COMING YEAR INCLUDING:

- I. THE EFFECT OF WEATHER CHANGES ON THE ASTHMATIC STATE.
- II. A STUDY OF THE SIDE EFFECTS OF THE ANTI-HISTAMINE DRUGS.
- III. TOBACCO ALLERGY - A NEW TOBACCO ANTIGEN FOR SKIN TESTING.
- IV. THE POSSIBLE ROLE OF ALLERGY IN THE ETIOLOGY OF RHEUMATIC FEVER.

DIVISIONAL WORK

VISITS, INVESTIGATIONS BY NURSES	27,524
CLINIC EXAMINATIONS - ADULTS & CHILDREN	9,081
CLINIC EXAMINATIONS - CARDIAC	5,494
CLINIC EXAMINATIONS - HAY FEVER & ASTHMA	1,949
X-RAYS	5,670
FOLLOW-UP EXAMINATIONS	3,312
PNEUMOTHORAX TREATMENTS	1,134
CAMP CHILDREN EXAMINATIONS	906
PATCH TESTS	289
ELECTROCARDIOGRAMS TAKEN	1,000
EXAMINATIONS FOR SANATORIUM & HOSPITALS	
VERONA - COUNTY SANATORIUM CLINIC	263
MEN SWANSEA - STATE SANATORIUM CLINIC	213
SOMO - COUNTY HOSPITAL CLINIC	6
FARMINGDALE - STATE PREVENTORIUM CLINIC	8

FOOD HANDLER & DOMESTIC WORK

FOOD HANDLER EXAMINATIONS	230
" " TEMP. CARDS ISSUED	186
" " REJECTIONS	17
DOMESTIC RE-EXAMINATIONS	27
" " TEMP. CARDS ISSUED	24
" " REJECTIONS	3
EXAMINATIONS - NEIGHBORHOOD CLINICS	
SETH BOYDEN	39
BAXTER COURT	37
CUTLER STREET	22
EAST STREET	22
FERRY STREET	19
PENNINGTON COURT	10

(SEE STATISTICAL TABLES FOR MORTALITY & MORBIDITY)

DEATHS (LAPSE OF TIME AFTER REPORT CASE)

NO. CASES REPORTED PRIOR TO DEATH	- - - - -	96	- 46%
1 TO 2 YEARS	- - - - -	20	- 10
2 TO 3 YEARS	- - - - -	12	- 6
3 TO 4 YEARS	- - - - -	5	- 2
4 YEARS & OVER	- - - - -	27	- 13
		162	- 77%

NO. CASES REPORTED AFTER DEATH - - - - - 49 - 23%

DIVISION OF CHILD HYGIENE

DR. JULIUS LEVY, DIRECTOR -- MRS. MEREDITH EHRICH, SUPERVISING NURSE

THE INFANT MORTALITY RATE FOR 1949 WAS 25.0 PER 1,000 LIVE BIRTHS, SLIGHTLY HIGHER THAN IT WAS IN 1948 BUT LOWER THAN FOR ANY PREVIOUS YEAR. THERE WAS ALMOST A 10% DECREASE IN THE RATE FOR DEATHS UNDER ONE DAY OVER 1948, AND A SLIGHT DECREASE IN THE RATE FOR DEATHS UNDER ONE WEEK. THE DEATHS UNDER ONE WEEK STILL REPRESENT, HOWEVER, 64.7% OF THE DEATHS UNDER ONE YEAR.

THE MATERNAL MORTALITY RATE IN 1949 WAS HIGHER THAN IT WAS IN 1948 - 1.2 IN 1949 AND .7 IN 1948! BUT EVEN THIS INCREASED RATE SHOWS A MARKED REDUCTION OVER PAST YEARS. IN 1939, FOR EXAMPLE, THIS RATE WAS 3.8, AND IN 1929 IT WAS 5.8.

THERE ARE 22 BABY-KEEP-WELL STATIONS UNDER THE SUPERVISION OF THE DIVISION, WHERE 29 CONFERENCES ARE CONDUCTED WEEKLY. THE DIVISION HAS A STAFF OF TEN DOCTORS AND 36 NURSES. MOTHERS MADE 14,754 VISITS TO THE BABY-STATIONS WITH THEIR WELL BABIES DURING THE YEAR. THE NURSES, WHO DELIVER BIRTH CERTIFICATES TO ALMOST ALL MOTHERS OF NEWBORN BABIES IN THE CITY, VISITED 6,244 NEW BABIES DURING 1949, WHICH IS OVER 95% OF THE TOTAL NUMBER OF NEWBORN BABIES BORN DURING THE YEAR. IN ADDITION, THE NURSES VISITED 6,664 BABIES BORN IN THE PREVIOUS YEAR. A TOTAL OF 12,908 VISITS TO THE HOMES WERE MADE BY THE NURSES DURING THE PAST YEAR.

THE NURSES' VISITS ARE MADE FOR THE PURPOSE OF TEACHING MOTHERS THE GENERAL CARE, FEEDING AND MANAGEMENT OF THEIR INFANTS. SPECIAL EMPHASIS IS BEING PLACED ON MENTAL HEALTH THROUGH IMPROVED PARENT-CHILD RELATIONSHIPS. THE NURSES RECEIVE INSTRUCTION IN THIS FIELD THROUGH FORMAL EDUCATION (AT A COLLEGE LEVEL), GROUP DISCUSSIONS AND MENTAL HYGIENE FILMS AND PAMPHLETS. IT IS FELT THAT THROUGH THIS EDUCATIONAL PROGRAM, MOTHERS CAN BE HELPED TO ACQUIRE DESIRABLE FEELINGS AND ATTITUDES TOWARD THE BEHAVIOR OF THEIR CHILDREN. WE THINK THAT WE ARE JUSTIFIED IN BELIEVING THAT THERE HAS BEEN A DEGREE OF ACCOMPLISHMENT IN THE LESSENING OF FEARS AND ANXIETIES ON THE PART OF MOTHERS AND IN THE MEETING OF CHILDREN'S NEEDS AND IN GIVING THEM AN OPPORTUNITY FOR SELF-DEVELOPMENT AND SELF-EXPRESSION. IT SHOULD BE BORNE IN MIND, HOWEVER, THAT THIS AREA IS A PARTICULARLY DIFFICULT ONE, BECAUSE MOTHERS ARE THEMSELVES THE PRODUCTS OF THE DEPRIVATIONS, HOSTILITIES, AND AGGRESSIONS WHICH THEY ACQUIRED IN THEIR OWN CHILDHOODS AND WHICH OFTEN INTERFERE WITH THEIR ACCEPTING OR APPLYING SOUND ADVICE IN THIS FIELD.

DURING 1949, 78 BOARDING HOMES WERE LICENSED AND 23 HOMES WERE REJECTED. WE HAVE MAINTAINED THAT HEALTH STANDARDS FOR BOARDING HOMES, NURSERY SCHOOLS, CHILD CARE CENTERS, AND FOSTER FAMILY DAY CARE ARE TO BE CONSIDERED NOT AS RULES AND REGULATIONS BUT AS FLEXIBLE GUIDES TO THE ATTAINMENT OF HAPPIER RELATIONSHIPS BETWEEN FOSTER PARENTS AND PROFESSIONAL STAFFS AND THE CHILDREN UNDER THEIR CARE. HEALTH SUPERVISION AND GUIDANCE ASSURE THE KIND OF CARE WHICH MEANS PHYSICAL SAFETY FOR CHILDREN, SURROUNDINGS WHICH WILL CONTRIBUTE TO THEIR HEALTH, AND HUMAN RESPONSES AND MATERIALS WHICH WILL STIMULATE SATISFYING AND HEALTHY GROWTH, BOTH MENTAL AND PHYSICAL. IT IS ESSENTIAL ALSO THAT INDIVIDUALS WHO ARE RESPONSIBLE FOR THE DIRECT CARE OF CHILDREN BE HEALTHY, EMOTIONALLY STABLE, AND TEMPERAMENTALLY SUITED TO WORK WITH CHILDREN. CONSULTATION SERVICE IS GIVEN TO FOSTER PARENTS AND TO PROFESSIONAL STAFFS OF DAY NURSERIES, ETC., WHENEVER THERE IS A NEED FOR HELP WITH SPECIAL PROBLEMS. IN RECENT YEARS, AS A NECESSARY MEASURE TO FURTHER DEVELOP AN ADEQUATE GENERAL HEALTH PROGRAM IN CHILD DEVELOPMENT CENTERS, NUTRITION, DENTAL HYGIENE, AND PREVENTIVE MENTAL HYGIENE SERVICES HAVE BEEN ADDED.

BOARDING HOMES LICENSED DURING 1949 - 108				SUPERVISED IN COOPERATION WITH	
				N.J. STATE DEPT. OF EDUCATION +	
"	"	REJECTED	"	"	"
				DAY NURSERIES	
				= 9	
				NURSERY SCHOOLS	
				= 6	
				DAY-CARE CENTERS	
				= 1	

NURSES' ACTIVITIES (NOTE INCREASE - 5-YEAR INTERVALS)

YEAR	SUPERVISED BABIES BORN DURING YEAR	TOTAL NO. OF SUPERVISED BABIES UNDER TWO YEARS	NURSES' VISITS TO HOMES	MOTHERS' VISITS TO CONSULTATION STATIONS
1928	4,236	7,593	51,189	16,950
1933	4,386	11,868	71,093	34,045
1938	4,972	15,848	69,410	24,921
1943	7,530	16,463	76,632	16,706
1949	8,124	14,808	104,451	14,754

(SEE SPECIAL TABLES FOR STATISTICAL DATA)

VENEREAL DISEASE CONTROL DIVISION

DR. EDWARD EDELSON, PHYSICIAN-IN-CHARGE -- DR. SIDORE F. MOUS, EPIDEMIOLOGIST
DR. E. MAE MACCARROLL, ASST. EPIDEM.

DURING THE PAST FEW YEARS GREAT STRIDES FORWARD HAVE BEEN MADE IN THE TREATMENT OF THE VENEREAL DISEASES TO THE POINT WHERE THEY ARE NO LONGER ONE OF THE PRINCIPAL CAUSES OF ECONOMIC AND MILITARY INEFFICIENCY. MILITARY CAMPAIGNS AS WELL AS PRODUCTION SCHEDULES HAVE IN THE PAST FALLEN BEHIND SCHEDULE AND HAVE EVEN BEEN GIVEN UP BECAUSE OF THE NUMBER OF PEOPLE INCAPACITATED BY THESE DISEASES BOTH PHYSICALLY AS WELL AS PSYCHOLOGICALLY. NO LONGER ARE ANY OF THESE DISEASES LIKELY TO BE OF ANY GREAT ECONOMIC LOSS TO THE INDIVIDUAL OR ARE THEY LIKELY TO INCAPACITATE LARGE GROUPS OF PEOPLE.

TODAY, SYPHILIS, WHICH AT BEST USED TO REQUIRE A MINIMUM OF ONE AND ONE HALF YEARS ARDUOUS CARE FOR A DOUBTFUL RESULT, REQUIRES TEN (OR LESS) DAILY INJECTIONS OF PENICILLIN FOR A GREAT LIKELIHOOD OF COMPLETE CURE. PUBLIC HEALTH WORK TOGETHER WITH THE USE OF PENICILLIN HAVE BROUGHT CONGENITAL SYPHILIS TO THE POINT WHERE IT IS ALMOST NON-EXISTENT IN TODAY'S NEWBORNS.

GONORRHEA REQUIRES IN MOST CASES JUST ONE INJECTION, AND THE LESSER KNOWN VENEREAL DISEASES OF GRANULOMA INGUINALE, CHANCROID AND LYMPHOPATHIA VENEREUM ARE SIMILARLY BEING CONQUERED.

THE EASE WITH WHICH THESE DISEASES ARE CURED HAS TO A CERTAIN EXTENT BROUGHT ON THE ADDITIONAL PROBLEM WHEREIN THE INDIVIDUAL'S PREVIOUS CARE OF HIMSELF AND FEAR OF CONTRACTING THESE DISEASES HAVE BEEN CAST ASIDE TO ALLOW MANY PEOPLE TO BECOME FREQUENTLY REINFECTED, BUT EVEN THESE PEOPLE ARE BECOMING PROGRESSIVELY LESS OF A PROBLEM.

THE NEWARK CITY DISPENSARY CLINIC FOR VENEREAL DISEASES HAS BEEN BROUGHT COMPLETELY UP TO DATE, OFFERING THE BEST AVAILABLE TREATMENTS FOR THESE DISEASES. THE REPUTATION OF THIS CLINIC IS HIGH AMONG SIMILAR MEDICAL GROUPS IN OTHER LARGE COMMUNITIES. THIS CLINIC COOPERATES FULLY WITH THE STATE AND FEDERAL HEALTH SERVICES BOTH IN FOLLOWING THEIR PROGRAMS FOR ELIMINATING THESE DISEASES FROM THE COMMUNITY AS WELL AS IN THE STUDY OF THE NEWER TREATMENTS FOR THESE CONDITIONS.

CLINIC REPORT

		1946	1947	1948	1949
<u>SYPHILIS</u>	NEW PATIENTS - MALE	285	325	287	273
	" " FEMALE	19	347	277	299
	TOTAL NEW PATIENTS	416	672	564	572
	PATIENTS TREATED - MALE	1420	1224	1202	4154
	" " FEMALE	1102	982	1184	3697
	TOTAL PATIENTS TREATED	2522	2206	2386	7851
	TREATMENTS GIVEN	23520	22785	17728	19714
	CASES REPORTED FROM NEWARK	1820	2105	1890	1865
	PATIENTS DISMISSED, ARRESTED OR CURED	956	1140	1760	894
	PATIENTS PUT ON REST	361	360	125	437
<u>GONORRHEA</u>	NEW PATIENTS - MALE	812	951	660	621
	" " FEMALE	387	285	327	413
	TOTAL NEW PATIENTS	1199	1236	987	1034
	PATIENTS TREATED - MALE	1020	1443	1107	4709
	" " FEMALE	1849	1120	1009	1109
	TOTAL G.C. PATIENTS TREATED	2869	2563	2116	5818
	TOTAL VISITS G.C.		7049	6569	7626
<u>SOURCES OF INFECTION</u>	NAMED	520	705	645	489
	FOUND AND EXAMINED	225	315	342	244
	FOUND INFECTIOUS	110	132	118	30

LABORATORIES

DR. M. A. TARBELL, CHIEF BACTERIOLOGIST

FRED COLTRELL, ASST. CHIEF BACT.

DR. H. S. MARTLAND, PATHOLOGIST

HALSEY DURAND, B.S., CHIEF CHEMIST

DISPENSARY LABORATORY - CARL CORDASCO, B.S., PH.G., ASST. CHIEF BACT.

BACTERIOLOGICAL

DIPHTHERIA CULTURES - - - - -	3011
" " POSITIVE - - - - -	0
TUBERCULOSIS SPUTA - - - - -	4413
" " POSITIVE - - - - -	597
TYPHOID (HIDALS) - - - - -	34
" " POSITIVE - - - - -	1
PARA TYPHOID, A & B - - - - -	30
" " POSITIVE - - - - -	3
DOG BRAIN EXAM. (RABIES) - - - - -	37
" " POSITIVE - - - - -	0
VINCENTS ANGINA SMEARS - - - - -	1717
" " POSITIVE - - - - -	272
GONORRHOEA SMEARS - - - - -	4978
" " POSITIVE - - - - -	819
" CULTURES - - - - -	4752
" POSITIVE - - - - -	621
EXAM. FOR UNDULANT FEVER - - - - -	31
" POSITIVE - - - - -	1
EXAM. OF FECES & URINE - - - - -	41
WATER EXAMINATIONS - - - - -	332
MILK & CREAM EXAMINATIONS - - - - -	917
ICE CREAM EXAMINATIONS - - - - -	209
SHELL FISH - - - - -	50
MISC. FOOD - - - - -	74
SWABBING FROM EATING UTENSILS - - - - -	804
RINSE WATER SWABBINGS - - - - -	122
PASTEUR TREATMENTS GIVEN - - - - -	0

CHEMICAL

TOTAL EXAMINATIONS - - - - -	3595
MILK SAMPLES - - - - -	1235
" " BELOW STANDARD - - - - -	1
MILK AVERAGE SOLIDS (ALL SAMPLES) - - - - -	12.53
" " FAT - - - - -	3.72
CREAM SAMPLES - - - - -	1
" " BELOW STANDARD - - - - -	0
ICE CREAM SAMPLES - - - - -	254
" " BELOW STANDARD - - - - -	0
WATER SAMPLES - - - - -	289
MISCL. - - - - -	377
PHOSPHOTASE TEST (MILK PASTERIZIN) - - - - -	1439

NOTE - SPECIAL EXAMINATIONS INCLUDED
HORSE MEAT, ADDED SULPHITES AND EX-
CESSIVE FAT CONTENT IN MEATS; ART-
IFICIAL FLAVORINGS, AND MANY OTHER
TYPES OF FOODS.

WATER SAMPLES INCLUDED ROUTINE
EXAMINATIONS FROM WATER SHEDS, LOCAL
FAUCETS, ETC., AS WELL AS ROUTINE
TESTS OF SWIMMING POOL WATER FOR
FREE CHLORINE, ETC.

SEROLOGICAL

PREMARITAL TESTS (KAHN) - - - - -	6698
" " POSITIVE - - - - -	152
PRENATAL - - - - -	4547
" POSITIVE - - - - -	74
DIAGNOSTIC - - - - -	27201
" POSITIVE - - - - -	3733
TOTAL KAHN TESTS - - - - -	40446
" POSITIVE - - - - -	3959
CONFIRMATION WASSERMANN - - - - -	4302
" POSITIVE - - - - -	2533
SPINAL FLUIDS, WASSERMANN - - - - -	875
" POSITIVE - - - - -	77
RM FACTOR DETERMINATION - - - - -	4844
" POSITIVE - - - - -	4303
" ANTIBODY TITRATION - - - - -	8
HETEROPHILE ANTIBODY DET. - - - - -	140
BLOOD TEST (FOR TYPE) - - - - -	362
MISC. QUANT. WASS. COLD AGGLUTINATION, ETC. - - - - -	175

DISPENSARY LABORATORY

KLINE	TOTAL	POS.
<u>BLOOD TESTS</u>		
FOR	FOOD HANDLERS	16006 161
<u>SYPHILIS</u>	DOMESTICS - -	3860 144
	INDUSTRIAL - -	575 6
	CLINICS - -	9605 1954
	MILITARY - -	73 4
	PRIVATE DOCTOR	2925 108
	MARRIAGE - -	548 42
	TOTAL KLINEs	33592 2319
QUANTITATIVE KLINE TESTS - - - - -		486 224
DARKFIELD - - - - -		156 28
SPINAL FLUIDS - - - - -		174 142
GONORRHOEA SMEARS - - - - -		8940 1279
VINCENTS ANGINA SMEARS - - - - -		3332 1478
TRICHOMAS VAGINALIS - - - - -		19 6
URINALYSES - - - - -		3303 -
SPECIAL TESTS FOR BLOOD COUNT CLOTTING & BLEEDING TIME, SEDIMENTATION RATE, ETC. - - - - -		116 -



